DAILY FIELD Notes of TAMAULIPAS Expedition
by
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1945-1946

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by

Richard S. MacNeish

Nov. 17, 1945 Left Chicago about 7 a.m. with Herbert Smith and carload of equipment. Arrived at Ottawa at 10:20 a.m. MacGregor arrived about eleven. Ate lunch and arrived at the site at noon. Immediately contacted Danner and the three of us walked out to the site. The concentrations of sherds agreed with what Wray and I found. Later in the afternoon I discovered a child burial with sea-sized blue and black and white glass beads and the usual three copper hair coils. Later went and talked to Healy. His wife had recently died so he wasn't enthusiastic about digging. However, I believe he will be willing by spring when his grief for his wife is not so overwhelming. Later, returned to Danner and talked about details of excavation. Everything O.K. and we may be able to rent the ball-room at the top of his house for a laboratory. Saw Skidmore and he gossiped about Swenson. May not be able to get permission there. Then went and inspected top of Buffalo Rock - no Miami Village apparent and gravel company has obliterated much of the rock. However, there are empty barns there which may be available for bunks, etc. MacGregor said he would talk to State Parks about it. Left MacGregor and Smith at 5 o'clock and drove to Havana.

Kaskaskia Site

Nov. 18.
In the morning looked at the Snicurte Slu site and found nothing. Then went on to Springfield and called MacGregor and began to go over the Havana materials. Spent much of the afternoon explaining site to MacGregor.

Nov. 19
MacGregor had done an excellent job of analysis of the pottery and for the most part I agreed with his analysis. Also, he had a number of trade sherds that should be identified by Griffin. We then checked the sherds against the arbitrary levels in the test pits and found some interesting things. Type 3 sherds appeared only during late levels. Rocker-stamping also late. Cord-marking is predominant over smooth during early level times and the opposite obtains in late levels. Straight roulettes appeared before crescent roulettes. Thus it appears that Mn°6 is earlier than Mn°9.

Havana Site Analysis

Nov. 20-21.
Drove to Austin, Texas.

Nov. 22.
Arrived in Austin. Called Krieger and went over sequence of culture and stratigraphy in his area. Charts of his sequences and pottery types are on the next page. Of the

sequences I have no doubt. It really looks as tho he has the stuff well organized and his publication should be a beauty.

Nov. 23.
Talked over more of the sequences and began a discussion of Buzzard Cult and particularly the Spiro materials. Later called Orr at Camp Walter and arranged to meet him tomorrow.

Nov. 24.
Saw Orr and had real session about cult and sequence in Okla. and Texas and La. About now I believe I have a good grasp of the materials from this area and may be able to discuss them intelligently.

Nov. 25.

Buzzard Cult?

After the long discussions three facts have gradually become very apparent, and also the fact that the whole concept of a cult and the definition of a cult could bear some going over. The facts apparent are:

1. That the "cult" may have lasted for as much as 200 years and was not a cult at all but more a religion (The pattern of thought is completely analagous to what happened in discussions of Hopewell).
2. That the differences between Spiro and the more easterly Buzzard Cult material may be caused by temporal, rather than spatial, differences.
3. That the Spiro- cult material are earlier than that to the east, certainly pre-De Soto and probably pre-Columbian - and that the Mexican elements (both cult and general - truncated pyramids, etc.) probably filtered into this area slowly tho increasingly as time went on.

The above statements are not merely intuative statements but are based on sound archaeological facts. First let us examine the evidence that Spiro cult materials are early:

Age of Buzzard Cult.

1. The Henrietta focus of the Pan-handle area of Texas may be equated with the Quivira materials of S. W. Kansas identified by Wedel. The Quivira site may be dated as 1530. Confirming this date is the fact that in the Henrietta materials are found Pueblo glaze sherds of Periods III and IV, Chapellero B/W and the "Brown ware" of western New Mexico which have been dated by dendrochronology as between 1450-1550. Over the Sander materials (which have Buzzard cult). At the Sander site are found Henrietta sherds. Therefore, the Buzzard cult was at Sanders before 1550 and very likely before 1520.
2. Henrietta sherds are intrusive into the Titus focus. The Titus focus is stratigraphically over the Spiro materials. Therefore Buzzard Cult of Spiro is before 1550, etc...
3. Pueblo corrugated sherd, Chapallero B/W and Upper Gila smudge ware, dated by Haury by dendrochronology as not later than 1450 are found in the Titus focus. Titus focus is over Spiro. Therefore, Spiro is earlier than 1450...

4. The Frankston focus site is located on the Red River in the exact location of the Hosanai villages seen by De Soto in 1540. Also, confirming the Spanish accounts is data to the effect that the Hosanai were trading with the South such as Southwest glaze sherds. The Frankston focus has Titus sherds in it. Titus is over Spiro. Therefore Spiro is pre-1540 and pre-De Soto.
5. Confirming this evidence is the fact that Frankston sherds were found by Kelly at Presidio on the Rio Grande and on the basis of Spanish contacts with Espego in 1583 these materials must be earlier than 1583 - etc..
6. Sanders pottery shapes foreign to this area and, also foreign to the Southwest were found at Pecos (Glaze 5) - is ca. 1150. Also, at Pecos the shoulder bowl is found in the Glaze III-IV periods for the first time. Shoulder bowls and shapes are typical of and Titus foci. Thus Spiro which is under Titus probably is before 1550.
7. (After Orr). The distinctive pipes, shell and bone hoes, triangular side-notched and basal notched points of Quivira (1530) are found in the Fort Colby material which are over Spiro. Therefore, Spiro may be before 1530.
8. John Griffin has pointed out to me that certain "Mississippian" sites in Florida have cult material and are late sites - probably after 1600.
9. Natchez ethnology 1670 indicate the cult still continuing.

November 26

Met the faculty of the University of Texas. Went over more Texas materials. A man named Campbell is working up the coastal Texas stuff. Should be finished by the time I get back.

November 27

Found in the Texas collection (from Texas?) are a number of items that need explanation.

1. A stone spindle whorl, Period V, from Mexico (has been found in Texas?)
2. 3 Las Flores B/W sherds here found and are labelled as surface finds from Chamber Co. Texas (? this)
3. 3 stone pottery stamps have been found in NE Texas. Typically Mexican (? this)
4. A carved stone bead of igneous rock has been found in North Texas (?)
5. A collector in Dallas has a stone head of Jade found around Dallas (? this)
6. 4 Aztec sherds (Aztec III) have been found at Mission sites (Near San Antonio)

Mexican Objects in Texas

Made careful analysis of pottery. Also met Sellards and saw Plainfield material which were associated with extinct bison. I wonder if it isn't just possible that many of the Pleistocene fauna lingered considerably after Pleistocene times in Texas?

Plainfield (Folsom)

November 28

Spent the morning going over Kelley's materials from Presidio on the Rio Grande. For the most part his stuff is allied with the Southwest and he claims that the Southwest did not extend further down the Rio Grande though it did extend into Mexico down the Conchos (old turquoise and parrot feather trail).

Presidio

The four culture phases are:

Presidio	
Conquistador	-1683
Conception	-1582
La Junta	

The first is allied with El Paso pottery and Alma plain. The people lived in rectangular connected pit houses. There were also round house and rectangular kiva structure around.
Second - rectangular house unconnected
Third - Mission influence
Fourth - full Mission

South-East sherds in Mex.

Later that day I looked over a number of sherds found in the Valley of Mexico that probably were made in the Southeast. There were a number of cord marked sherds, a couple with complicated stamp and a couple with zone punctate

Also, I received a copy of Anderson's locations of sites in Brownsville area, Cameron County. This stuff should be more fully worked over.

November 29

Drove to Brownsville.

November 30

Anderson Colln.

Received mail from Ekholm. No check until afternoon mail (was ready to really get mad). Took most of the morning tracing down the Anderson collection. Finally, after much dickering found it. It's all nicely catalogued, but the catalogue is not available. One fact, however, was immediately apparent. Huasteca sherds from periods 4, 5, and 6 have been found in graves in Cameron County. A drawing of some of these sherds may be found on the following pages. The following Huasteca types were found.

Anderson Collection

1. Huasteca B/W (Period 6) - 70 sherds, 2 pots
2. Tancol polychrome (V and 6)
3. Heavy plain (1-6)
4. Las Flores Relief (5)
5. Redware (period 5?)

Also a gorget with a carved human figure was found, see drawing.

It certainly will be necessary to contact Anderson's family and find out about the catalogue numbers and then visit these sites. Fortunately, I was told to get in touch with a man named Tony Lallum who used to accompany Anderson on his journeys. He may be very valuable. Will see him tomorrow. Spoke to him over the phone. There appear to be no other amateurs in this area.

December 1

Saw Tony Lallum from 8 A.M. to 10 A.M. This man, if his

statements are valid, may be invaluable. I would hire him immediately as a guide if it were not for the fact that he has a $300 a month job and I have no money. Evidently, both he and Anderson frequently worked in northernmost Tamaulipas. Upon showing him the map he pointed out about 15 places where materials may be found. From his description much of it should be period V - Tancol polychrome. Unfortunately he had little time as he had to finish up his monthly reports, but expects to return Monday and spot all the sites they found in Tamaulipas on my map. I shall not enter any of this data on my survey sheets until I have verified it personally. However, I shall mention the sites he told me about now on this page.

Anderson and Lallum Survey in Tamaulipas

1. All along the Rio Pita there appear to have numerous camp sites - about 10.
2. At the mouth of the El Tigre is a huge site.
3. At Borril is a site.
4. At Las Portales is an excellent site with much pottery.
5. On the forest ridge in back of Portales across a bridge near a salt lake to the left is a site.
6. There are about 4 sites at San Jose, La Enabta, San Jado - which have much pottery.
7. Near El Blameo is a site next to the Rio Grande.

In the afternoon went up in the Cayo Atusace region to try to relocate some of Anderson's sites. Did not find any of his but did find another one. Fragments of 8 skulls had eroded out of the bank. This is Cm^b45. Cm - Cameron County; b - burial; 45 is serial number after the last site found by Anderson. Unfortunately, the owner of much of this property was not at home and I couldn't or didn't dare go into parts of it. I will see him later.

Cm^b45

In the evening I attempted to contact a man named John Davis, collector in Pharr. - not available. It was suggested that I look up Mathews in McAllen but he didn't have a phone.

Also, got the tourist visa and I believe I will go to Mexico City Monday as I have not received the permit yet.

December 1

Caught up on field notes, wrote letters to Krieger, Griffin, Ekholm and sent bi-monthly report to Cole. Will arrange to have notes copied in triplicate. One for Instudade de Mexico, Universidad de Chicago, y mi. Among other things I wrote a long letter to Anderson's daughter about giving her father's collection to the University of Texas. It sure would help their survey and would be in a place where it would do the most good. I also asked for the catalogue. With the catalogue I could go to town on giving a report on the findings of Anderson.

December 2

After a rather late start I drove to Antiguo Morelos on the first day. Got my first chance to see Tamaulipas. Had a little trouble getting gasoline, but otherwise OK. My

Spanish seems to hold up under fire of the natives.

December 3

Arrived in Mexico City in the evening. It was quite a trip over the terrific mountains and the scenery magnificent. Late in the afternoon we started down and the first town we hit was Zimopan. The scenery and the town was beautiful. It really would be a swell place to live. Decided to stay at a Tourist Court - Guadalupe Courts. - Cheaper than hotels, about $2.50 per day.

December 4

Started to look for officials - Martinez del Rio not in; Palacios quit for the day; Moreno in Oaxaca and Borbolla out. Quit looking at 2 o'clock a little discouraged, and went out to Teotihuacan. The guide - Manuel Castenda Ramirez, an intelligent young archaeologist, spent about 4 hours taking me around. Pompeii and the Near East has nothing on this ruin. We saw two of the house sites that they are now excavating. It must have been very beautiful in the original. The outside was painted red and the inside was covered with frescoes. Also, he showed me some of the pottery. Pipes and copper don't appear in Teotihuacan times. Very significant?

December 5

I got to see Martinez del Rio - very intelligent fellow and no doubt will be of help. Also, had a long talk with Palacios. My permission is now sitting in Brownsville. He told me Saldivar was in the Ministry of Foreign Affairs. I explained to Palacios that I would give them a complete set of notes of my daily notes, maps and all materials. I left with everybody feeling happy. Then I looked for Saldivar - no success. Finally in the afternoon I went to talk with Rubin de la Borbolla. He has a wealth of information. First he told me about a new cache found in the Monte Alban region which is richer than the finds of Caso (there). Secondly he told me about the financial set-up of the Institute. It is a little hard on good dirt archaeology. Then he told me about the finds of Helmut de Terra near Teotihuacan. It appears that de Terra has found artifacts in the same strata as the remains of elephants bones. At last Early Man in Mexico! Also, he is giving me a copy of the Third Round Table Conference Report. That will be handy. Finally we talked over the question of Krieger getting the Anderson Collection. He thinks he has friends that may be able to help. Muy bueno. I also asked about having a study made of the copper. I'll bet some copper of the Huasteca V and VI periods is from Lake Superior.

December 6

Looked for Tenayuca - didn't find it. Looked for Saldivar and didn't find him. Institute closed because of a funeral.

December 7

Went down to the Institute to get some books. Found Watkins, Julio de la Fuente, and Weitlander. Talked over permissions, passports and visa, etc. Read some of the Round Table Con-

ference stuff and Saldivar "Indians of Tamaulipas", etc. Went to a party of anthropologists at De la Fuente's. Went to Saldivar's house late in the afternoon and found him. This guy will be valuable. Called Meade and he is in San Luis Potosi.

December 8

Went to see Saldivar in the morning. Spent four hours with him. Besides a wealth of information about sites and cultures found on the next page he gave me a letter of introduction to the governor of Tamaulipas, a professor in Ciudad Victoria, a rich person interested in archaeology from Victoria and to various peoples he knows in the small towns. The sites will be found below:

Important as the sites was the ethnological fact that the Comecurdo were nomads and during the 1500's were seen in the region of the Huasteca (near Tampico) on the Ranchos, on the Rio Grande and that they went up into Texas to a lake - either a lake in the North Brooks County or a bay in the North of Willoy County to get salt. This salt in block form they traded both north and south. Probably this is our means of contact between Mexico and the Southeast. He is getting me the exact sources for this data.

In the afternoon I was supposed to meet Martinez del Rio at his site near Plaza del Santiago. Unfortunately I got lost and followed out the street Buliva instead of Bolivar. When I found it he was gone. However, Senora Espejo showed me around his ruin. She appears to be doing an excellent job and her findings fit nicely with the ethnohistorical data. Later went out and found Tenayuca. While walking about I picked up 20 cord-marked paddled sherds. Where in hell did these come from but the easternmost part of the United States?

Later called up Del Rio and apologized and will meet him Monday.

December 9

Wrote notes, letters and so forth. Also, the owner of the Guadalupe Courts invited me to dinner there.

December 10

Early Monday morning saw Del Rio, had a very pleasant chat. Then left for Tampico. At Pachuca broke a spring. Had it repaired then over the mountain at night, on a gravel road in a thick fog. Forced to stop at Huastenango. June bought a few trinkets. Having trouble as usual getting receipts.

December 11

Drove to Tuxpan in the morning. Just outside Tuxpan there are a couple of conical pyramids (Huastec?). The road is really miserable from Tuxpan to Tampico. Just north of Alamo stopped and looked at four mounds, all stone surfaced. Three are conical, one rectangular. Picked up some sherds. Appear to be Huasteca, Period VI. Got stuck in the <u>mud</u> twice. Finally

made Tampico after dark.

December 12
Went out to Panuco and saw Roberto Pavon and the Pavon site. Roberto is a swell guy. Also, saw Las Flores site. Examined Huasteca sherds of all periods and saw some round shell gorgets. Later in the evening saw Blas Rodriguez.

December 13
Saw B. Rodriguez collection. Has a lot of stuff. Good review of Ekholm's stuff. Then Pavon and I went out to Tampico Alto to see the collection of a priest. The collection was excellent and his small museum excellently kept up. While on the way out Pavon told me his biggest secret. It sure is important. Both he and I are writing Ekholm about it. Pavon would like to go on the survey with me and it would cost me only expenses. I believe in the future I will take him. He might prove invaluable.

December 14
Drove from Tampico to Brownsville. It rained and the roads were slick. On stopping in San Fernando I found a site. Was told about one near town.

December 15
Got laundry and finally received the permission. At last the expedition is official. In the afternoon went out and found Judge Dancy. He has the Anderson field notes and I will get them Monday. Among my letters from Cole, the Bursar's office, etc. was a card from Jack T. Hughes, a student of Krieger who would like to work for me for free. He had been in Brownsville for two days and now just left. Tried to contact him at the customs gate but no success. If I can contact him he will be a valuable asset. At present he would be helpful but in a couple of months he would be invaluable. Thus I would have a crew of five in the future for excavation and might be able to excavate four places at the same time. One under my direction, one under June's direction, one under Pavon and one under Hughes. It will be a neat set-up if it pans out.

December 16
Saw Mr. Champion about Anderson's field notes. Finally, found them at his house with the materials. They consist of three notebooks in not too bad conditions. Spent the rest of the day reading them. From them I got the exact location of the Huasteca (5) whole pots. No real catalogue was found. In the following pages I shall describe briefly the pots and their locations.

1. Olla - la loma de las Pesca - cream in color.
shape:

decoration:

Site is about 100 yards southwest of where road from Soledad to La Pesca crosses the Arroyo del Tigre. 4 burials were also found in the same area.

Tancol Polychrome
Olla - La Loma Atrovasada
Probably same shape as others. Evidently only a red wash over outside.
- found near ranch Alvarasoda - about 100 yards north of jocales. Ash deposits (inhabitants?) about things.
Olla - Coyo Alascoso
Found at site 16.6. Have a picture of it.

Huasteca B/W
Olla - Tanges Salado
Lea Franka's son - a place about 1.5 miles westerly from the road. It was on the western margin of a narrow eroded, resaca ridge running from Northeast to Southwest below salt lagusas. Anderson dug a here. Same shape (of Olla) as the first. Design: red and black on cream, animal design.

Tancol Polychrome
Bomel Las Onacahuitas
Salvador, about a mile westerly from Asacahuitas, just south of arroyo del Tibry (35 m. from Malomos). A small channel skirts its Eastern slope. It is a small hill.
Shape:

Huasteca B/W
Engraved shell ornament - c. 3956
It was found in 1917 by Melcher Cortez about 200 yards northwest of Fresnos and about the same distance west of Tepehaje Ranch in share 18 of the Espiritu Santo Grant, Cameron Co.
- Lat. 26°08.4; Long. 93°31.8. It was associated with human bones.

Also, got a map of Anderson's site in which sites agree with map.

Worked a little on a report of the trade pottery at Kincaid.

December 17
Decided to attempt to find a number of sites of Anderson's to see what they were like and perhaps to plan to excavate them in the future. Spent the day looking for S16.6 and S16.5. Found both after much walking. There were scattered human bones, charcoal and shell (oyster, cat) at 16.6 while at 16.5 there was only a thin line of charcoal (the line 1 inch thick) as well as shell. It was cold and either raining or threatening to rain all day.

December 18

Went out and found o.o5. Found only a line of charcoal and few scattered bones - not human. (damn near froze.)

December 19

Went out and found 12.7 and 13.3. 12.7 had only scattered fragments of shell and a few (3) pieces of flint. 13.3 was much better, part of a skeleton had eroded from the bank and there was fire, very dense line of charcoal that showed up on the bank. This line extended for about 30 feet. This is the best site I have seen. No artifacts found. It was bitterly cold with a cold wind.

December 20

Went and found 10.2W and 10.3W and 10.4. None of them were very good. Also, this jungle is terrific.

December 21

First returned Anderson notes, got mail, sent letters to Cole and Krieger. Then went around and talked to Champion about the ethnology of Brownsville area and talked over Saldivar's book.

Finally, was ready to go and then found out I was not able to use a tourist visa. Therefore, I went to the immigration authorities at Matamoros and after showing my official documents got a courtesy visa from the chief. By the time I finished this crap it was too late to start.

December 22

Drove from Matamoros to Abasolo. It sure helps to have a few letters to important people, a special courtesy visa and the permit. In the evening at Abasolo, beside drawing a crowd of ninas to look at the animales estrane, I received some interesting information. First of all there are archives at Jiminez which may give a little information about ethnology of the area. Also, there are Indian remains from Cerro Gordo. Also, I found out that there is asite at Contradere and that el Senor Salenas has many paints. Secondly, at the bridge between Jiminez and Abasolo, at the Ranchas de Samoneal are many chingro of the . Also at Arroyo de Covera is a camp. Also, at the Ranchos Garcienllo are large bones. In the Cerro de la Aire are many caves with things of the Indians. The Presidente of the town believes that the Indians lived mostly in this region. He then sat down and planned a little trip for June and me to this place on the 25th. Nothing like Christmas on a horse for 8 hours. Also, the presidente has a metate, in stone; a mortar or olla and 3 ornamented roller pestles.

December 23

During the morning I took a picture of the stone mortar (or olla as it is called in this region), the metate and the pestles. There all were found in the bank about 8 feet down on the Soto la Marina river at Palo Alto.

The photograph is on the next page.

In the afternoon I started off on the Road for Palo Alto.

Tm - Tamaulipas
p - camp or pueblita
b - burial
r - ruin of long occupation
c - cave

Tm^{c}1 - On the road from Abasolo to Contradero, about 200 yards north of Contredo just before the telephone line passes from the left side of the road to the right. We noticed a large deposit of mussel shells. On looking around we found a large area mainly left of the road. The materials found include two thumbnail scrapers, much flint, and 2 pieces of pottery. I do not believe the site has much depth.

Tm^{c}2 - About 2 miles south from Contradero on the road to Palo Alto, just before one reaches the largest arroyo between the two towns (coming from Contradero) there was a large site. This site appeared to be at least one foot deep. We found four pieces of pottery, one point, parts of three others, part of a knife and some scrapers. There is also an abundance of mussel shells and some animal bones.

Tm^{c}3 - Past Palo Alto at the Arroyo Cabreas, down about 200 yards from the road crossing on the arroyo on the south bank near the top was a huge deposit of shell about 70 feet in length. Walking along underneath it I found a large sherd and quantities of flint. This arroyo will be further investigated.

On December 23rd. I will take the trip to the Cerro de la Aire. I also talked with persons from Chancol. He suggests I drive to Soto la Marina, take a boat to Pesecu and then take a horse to El Senor Kennedy's ranch at Chancol. He believes Kennedy is interested in Indian things.

December 24
El Senor Fernando Salinas of Jiminez said at Ranch La Bonita there are caves on the road from Jiminez to San Fernando. El Puerto, de Frijo, municipio de Haumb e. El Professor told me pointing: At Pueblita from Victoria, as Cosas, then to Los Angeles, leave car there, then later a mule - ask the people about this. He will give me letters to people there. San Antonio de ruinas, south of Victoria. Go in the car 6 miles, then take a mule.

December 25
Took a horse from Abasolo to Cerro Aire. Saw two caves - one was completely sterile. The other, a limestone cave in which Indian objects reportedly have been found I went into. Only
Tm^{c}4 one flint scraper was found. After a good deal of crawling around I did find a place that might have been human refuse. It contained mainly not dung, but some material, probably charcoal, no artifacts found here.

Tm^{p}5 On the way back on the north bank of the Arroyo de Sairo about 1 mile NNE of Abasolo on the trail to the cave I found a very long midden of shell. Found 3 pieces of pottery, 2 or 3 projectile points, scrapers and large deposits of shell.

Also, was told about a large shell mound on the River next to Abasolo. Will visit it in the future.

December 26

Drove to C. Victoria. Was not able to find the governor. Also, burned out a generator and blew a gasket. This car is not built for this country. It is really too bad for me to ruin it in this country while the University of Chicago could give me money for another.

December 27

Attempted to see the governor, but this is the end of the year so no soap. However, I did see Pablo Lavin, Moreny and Martinez, and the Secretario gave me a letter to Candeloria Reyeo. He proved to be a very interesting fellow and showed me a pot from around Pueblito that is definitely Tancol. Also a friend of Pablo Saim, Castenyda talked about the ruins of Pueblito and pyramids of Estabores all day. When I brought the subject up to Moreny and Martinez he immediately gave me a letter to people in that area. I arranged for a truck ride out there since Palacio said if I wanted to go south of the river I could if I found something important and since the sherds from Soto La Marina are like Pueblito and since it may be the home of Tancol I'm going.

If it has something important I'll ask permission to dig.

December 28

Met a man named Pedro de la Garza who owns a ranch north of Chamal. He offered all sorts of help. I will probably stay at his place in the future.

Photographed Reyes' pot. Got a letter to people in Soto La Marina and to Pablo F in Los Angeles.

December 29

Contacted ride to Los Angeles with Constancia Salinas. Left in the night for Los Angeles. Stored car as it could not be used on these roads.

December 30

Arrived in Los Angeles. I'm staying with the Presidente Jose. Talked with his son who lived alone in the mountains. He is a good man, Pedro. He will take me on a two day trip to Pueblito. He told me about a cave with painting in the Canyon Diablo and another large ruin north of Pueblito. I will ask about this also. June is sick and feeling not so good. Unfortunately she will have to stay in Los Angeles. Arranged for a ride back Thursday.

December 31

Pueblito

Tm^p6

Started out on horseback about 9 o'clock. It was a rough trip and by the time I had arrived at Pueblito I was full of little ticks. We didn't arrive until 4 o'clock in the afternoon. Burnt some of the grass around the ruin and looked it over. Drew a rough sketch of it to be found following this. The houses certainly are round and there are some definite pyramids which are also round. The whole place was definitely constructed for defense. Slept on the ground.

January 1, 1946

Spent the morning walking over all of the ruin. Pedro knows of another further north which he says is 5 times as big. Also, there is one on the Guadalupe Mountain near Estaborres. After walking around the whole ruin I dug a five foot square test pit. The refuse deposit was about 1.5 feet deep. In my notes the material will be numbered: $\frac{6}{1}$ - site 6 (Tm^p6) test 1

1,2,3,4 - depth of level
1 - surface
2 - humus. 0-6 inches
3 - 6 inches to 1 foot
4 - 1 -1.5 feet

Pueblita Tm^p6
Test 1

The test pit revealed only one feature. A layer of flat rock separating level 3 from level 4.

Loaded the burros down and started back to Los Angeles. Night fell before we arrived. It was a cold, hard, bug-ridden ride and I was tired.

January 2

Washed clothes and bathed, trying to rid myself of bugs. I am a mass of bites. Also, washed and numbered pottery. Attempted to analyze it but did not have time and no privacy as I was surrounded by kids all the time. On a bad guess I would say it roughly correlated with Huasteca 4 (or 5). Other sherds which I have seen from this area, but not from Pueblita, lead me to believe that this stuff may be ancestral to Tancol and may be the source of all Brownsville stuff. It definitely is the source of the pottery around the arroyo Jiminez.

January 3

Rode back on a truck to Victoria with chickens, pigs, people, children, furniture, fruit and merchandise. (and, of course, bugs.)

January 4

Met Senor Kennedy of Chamal and drove to Brownsville. Nothing of interest except a dust storm.

January 5

Tried to get another part for car, not to be had in Brownsville. Tried to find out about visa - no success. Went and saw Mr. Phillen at Buena Vista. Got a letter to his foreman and will

explore in his area later. He could tell me nothing about ruins in that area. No success again. Tried typing letters. Typewriter broke. Fixed it. Decided I had butted my head against enough walls so went to the movies and then to bed.

January 6

Went to visit Maxie Schamp and tried unsuccessfully to get in touch with George Martin of San Antonio, who has dug around Corpus Christi and Falfurrias. Had more motor trouble: one flat and a short circuit in the generator.

January 7

Cleaned car. Tried to see official, didn't see him until the afternoon. Repaired 3 tubes. Wrote Dr. Cole a report. Figured up budget. This is nonsense in Mexico where one has to pay for pushing car, guarding car, etc. Gave the car a grease job and repaired 3 bad tubes. Asked around about buying a truck because using this car is ruining it and sure is slowing things up.

January 8

Took a hell of a while getting thru customs and then went on to Abasolo. Learned from a fellow at San Fernando that there are large fossil bones of animals found in the river bank 21 kilo. south of San Fernando at Rancho Marias and that I should ask Raphael Rables about them. He also informed me that arrowpoints were found nearby. Stopped on the way down but Raphael wasn't home and the others, though they knew of the bones did not know their location. A man named Roy told me about it.

Fossil bones of large animal on bank of Rio Comebros

Got three flats on the way to Abasolo. Nothing like changing tires in the middle of the night. With a truck it sure would be faster.

January 9

Spent morning repairing tubes and changing position of tires. Then took off for Palo Alto and Soto La Marina. Stopped and looked at $Tm^{c}2$. The deposits are only about 1 foot deep. Stopped again at Arroyo Jiminez. This time I walked about a mile north of the road in the arroyo and found one site. It was about 100 yards north of the road on top of the east bank. Depth of deposit - 6 inches.

$Tm^{c}2$

$Tm^{c}7$

About 300 yards north of the road just around the bend of the river I found another site. Very small, but it produced one piece of pottery. This is where the arroyo turned westward from its usual N-S direction and was at the top of the north-east bank. Depth about 4 inches on the bank.

$Tm^{c}8$

On the top of the east bank just across the Arroyo Jiminèz on both sides of the road June noticed a mass of shell. The site had much flint on it but few artifacts. Depth: about one foot or less.

$Tm^{c}9$

At the next big arroyo (Arroyo Cobra) after Arroyo Jiminez on the road to Soto La Marina the next site was found. It is a
Tm^{c}10 large site and on the west bank of the Arroyo. The deposits are about 2-3 feet thick. This looks like a good site, but would take plenty of digging.

Arrived at Soto La Marina at night.

January 10

Spent the morning talking to officials, etc. Then about 11 o'clock took a ride up along the bank of the river. I went
Tm^{c}11 north and west along the bank from the town on the north bank. Small deposits of shell and flint showed up here and there, but the first important one was at Rancho San Jose about 1.5 kilometers from town and which now has a house over part of it.

About 2 kilo. from town on the northeast bank of the river was another site. This was quite productive and is large. Some
Tm^{c}12 sherds on it, but can't tell if they are modern or not. This is on the Old Rancho Las Angles.

Then I returned from Tm^{c}12 to Tm^{c}11, walking along the northeast bank of the river.

Tm^{c}13 About 600 yards north of Rancho San Jose found one site with
Tm^{c}14 what looks like a foot of deposition, and about 300 yards north of the Rancho was another site.

January 11

Started out to see another site and the inadequacy of this car in this country showed up. First I got stuck in part of the river where the fording was shallow. This meant spending an hour in the water and costing 10 pesos. Then, later in the day I got stuck in the gravel in a dry arroyo bed. It took up 5 hours to get out and in the end was necessary to have horses pull us out; 4 horses, 2 men, 20 pesos. Then I paid our guide 10 pesos. Never did get to the site as 7 hours were wasted getting out of places a truck never would get stuck in; 1 hour repairing fan belt of car and 1 hour driving. There sure is damn little profit running this car, scratching its finish, flooding its motor with water, ruining its tires and shaking its body to pieces when the University of Chicago could damn well afford a cheap second hand truck that would give us none of this trouble.

Took a picture of a stone mortar found at Pueblito by Antonio Balandiano of Soto La Marina.

During the evening Raul Riestra called on me and asked to take his dying mother to Palo Alto where he could get a ride to Victoria. The car, of course, wouldn't work. May take him tomorrow.

January 12

Slight mist. Tried to get out of here as weather report said 3 days rain. Got 10 kilo. Stuck in mud for 3 hours. Finally

returned to Soto La Marina tired and dirty. I wish I had a truck.

January 13

Read most of the day as it rained. Late in the afternoon went out to Tm^c12 and found another site directly behind Tm^c14.

Tm^c15 This I have called Tm^c15. It is rich in artifacts. It is about 150 meters from the Rio. Then I moved north of Rancho Las Angeles about 200 yards and found a site in the bank of the

Tm^c16 river, Tm^c16. The deposits are about 2 feet under the present surface. Continued northward about 250 yards north of old

Tm^c17 at Rancho Las Angeles and found another small site. This had a small piece of Huasteca black on white pottery on it. This site I called Tm^c17. Dug around a pit looking for the rest of the pot and the depth of the deposit. Depth: 6 inches, and I didn't find other stuff. Then another 50 yards along

Tm^c18 found another small site on the bank of the river, Tm^c18, very small. After this I walked about 2 kilo. northward along the bank and found nothing. This means I have covered the bank north and west of Soto La Marina for about 5 miles.

On the way back to town about 1 kilo. from the edge of town a large arroyo cut back from the river to the road. This went about 150 meters north of the corduroy road (made of logs).

Tm^c19 This was a deposit of shell that extended down about 2 feet. Only 2 artifacts were found. In spite of the lack of artifacts I consider this to be Tm^c19.

Stuck in the mud again in the car.

January 14

Spent the morning cleaning mud off the car and cleaning out the feed line which had become clogged. Also, spent time getting the car started. Finally by noon this poor car was ready to run.

I then went east of town about 4 kilo. along the river and at the Rancho in a plowed field along the edge of the bank found a large site covering much territory and called

Tm^c20 Tm^c20. The President of Soto La Marina went with me. This site is about 4 kilo. from town and might be worth digging. I then continued eastward along the bank til we were about 5 kilo. from Soto La Marina. At a place called La Pita (a river

Tm^c21 ford) I found a site along the trail about 150 meters from the river and about 75 meters from the top of the bank northward. It contained much flint, a few artifacts, practically no shell. All the previous sites have contained much shell.

During the evening I got a letter off to someone in Aquita (near Pesca). It would appear there are some real ruins there. I have one report that there is a pyramid (from Castengo of Victoria) and from the inhabitants I hear there there are houses of the Indians. It sure is intriguing. The man to ask for is Abelardo Arrellono, and Jose Beyriell, and it is best to look on the ranches La Juita, La Aquita and Debsodero, and particularly the rancho El Toro.

January 15

Cold and wet, rained most of the day. After a couple of futile attempts at writing notes and finding that the coldness and dampness made me acutely uncomfortable I retired to my bed.

January 16

A little rain in the morning but cleared at noon. Decided to leave tomorrow. Spent the afternoon changing oil, changing water, and greasing the car. It ought to run tomorrow and with a day of sun the road ought to be possible.

January 17

Started out about 10 o'clock when the roads were dry enough to use. Got 14 kilometers and the car stopped. Tinkered with it for an hour, cleaned distributor, etc. Finally walked back to Soto La Marina. In the meantime a truck coming from Jiminez stopped, fixed the car and June picked me up at Soto La Marina. Then turned around and drove to Palo Alto and started for Buena Vista. However, stopped shortly as it was dark and the road too sinuous to continue.

January 18

Found a rather extensive deposit of shell on the banks of the Arroyo Jiminez where it is crossed by the road from Palo Alto
Tm^{c}22 to Buenavista. Actually, only a few artifacts were found though intermingled with the shell was a great deal of flint. I dug a small test trench on the bank and the depth of the deposits appear to be about 2 feet.

Then continued on to Buenavista and at 1 o'clock ate at the rancho house of Senor Phillen. After lunch the boss Manuel and I carried on our inquisition with cowboys, asking about sites on the ranch. None knew about any. It seems quite likely as no large arroyos bisect this ranch.

After leaving Buenavista the car began acting up. It sputtered and coughed. Unfortunately the road had some impossible (for our low car) parts in it on the short road to Verde, so we had to retreat and go by way of Tancumba. Just outside of Tancumba the car died completely. I examined the motor and other parts and was unable to find the difficulty. Slept 2 kilo. south of Tancumba.

January 19

Walked from Tancumba to Verde, 12 kilometers, then took a horse, 15 kilo. to Chamal. Mr. Kennedy sent a truck out from Chamal to pick up our equipment. June and I try to start the car - no success.

January 20

Today was Sunday and no mechanics available so the car remained in Tancumba. However, Mr. Kennedy was kind enough to let me use his car to examine the bank of the arroyo near his house where fossils had been found. The deposit contained mainly marine animals and I'm afraid is either Miocene or Pliocene

in age. No remains of men.

Then later went to San Patricio where projectile points had been found. The site is on the arroyo next to a windmill and water tank, and part of Kennedy's ranch. Numerous flints
Tm^{c}23 were found and 2 projectile points. Most interesting of all was the almost complete absence of shell. The site from erosion cuts appears to have 6 inches or less in depth and I suspect has been much eroded.

On the way back Kennedy's car broke down but with the aid of a little mechanics, manpower and horsepower we got back to Chamal.

January 21
It was very cold and I have caught a bad cold. Was not able to go to my car as Kennedy's car needed repairs.

January 22
Went out to my car, messed around and tried to get it started - no success. Finally took out fuel pump and found that the diaphragm was broken. Took diaphragm back as well as the fuel pump to Chamal for repairs.

While in Tancumba received information concerning sites on Salido (.5 kilo. north of Tancumba) and at Piniuta (2 kilo. west of Tancumba) from Senor Dorihero Revino.

In the evening wrote up notes and prepared to analyze thoroughly materials thus far found.

January 23
Returned to car, got it working after 5 hours. Took it back to Chamal, fixed brakes, pump, removed filter, greased car, put distilled water in the battery (all this with Pablo's help). Did some analysis of Pueblo ceramics. Cold as usual.

January 24
Finished analysis of Pueblito pottery. The report on this pottery to be found on the following page. Went to San Antonio and got a few projectile points. Numbered the site wrong.

Tm^{c}26 On the north bank of the arroyo just east of San Antonio. This is a small site with little shell and much flint.

January 25
Packed the car, filled it with gas, packed the ceramics from Pueblito and also finished the trade sherd study of the Kinkaid site. Tomorrow I leave.

January 26
Took a horse along the arroyo from Chamal to Catano. No site
Tm^{c}24 found. Left Chamal for La Aquita. At Cariso around the house I found a site. It has been pretty well trampled by cattle.

Tm^{c}25 Down the road along the arroyo bank and on the south side of the road found a rather large site. The deposits here extend down 2 feet.

Went to La Aquita. The road was lousy. The man who owned the horses was not at home. I will return tomorrow. Went to San Enrique for the night.

January 27

Tm^{c}27 Went to La Aquita - no site. Saw stuff from Mission on El Toro. This is very late Colonial type materials - circa 1800 to 1850. Received news of a San Antonio site. Continued on to La Quitas. From there I went to Viego Marina. It is the original town of Soto La Marina, overgrown with jungle. However, it must have been quite a town. Amid the Spanish ruins were flint chips, etc. My guide said that he believed that this town was an Indian site before the Spanish settled here. It is possible and I will check with Saldivar or Reyes.

Tm^{c}28 After crawling around in the bush for three hours returned toward San Enrique. At the dry lake just east of San Enrique I stopped and looked along its bank. Shell deposits and chips of flint may be found all along the north bank. However, I only found projectile points at one place. This was above the highest stone bank on the N.N.W. side of the lake. I gave this portion the site number Tm^{c}28.

Returned to San Enrique. The local school teacher will visit tomorrow at 10:30 and the people here believe he knows more sites. Saldivar is at Soto La Marina on his vacation and may come here.

January 28

Tm^{c}29 Waited for the professor. One of the Buenavista tiger hunt party flew in my mail. Blew a tire. Decided to try to get out and get another tire quickly. Found a site 200 feet south of the most southwestward house in Repello. Will examine and describe it at greater length later. Got out to Jiminez driving the last 15 miles in a slow drizzle of rain and fog. Damn lucky I got out in time. Found at Jiminez that the road from San Fernando to Matamoros was impassable as it had been raining off and on for eight days. Back tracked and went by way of Monterrey.

Arrived in Brownsville at 6 P.M. Have driven for 25 hours straight. Enough said. No film, but I think I can get a tire.

January 29

Got 2 brand new tires, bought groceries, had the car greased, oiled, etc. Am ready to leave tomorrow. Wrote letter.

January 30

Wrote a report to Cole. Wrote to Griffin about job and seeing me. Wrote Krieger and Ekholm. Wrote Palacios for permission to explore Sierra de Tamaulipas and Rio de Palmas. Wrote

Kaplan. Obviously, it rained like hell all day so I couldn't leave Brownsville.

Made an appointment with Tony Lallum for the 20th. He says he can show me all the sites north of St. Teresa in 3 days.

January 31

Drove from Matamoros to San Fernando over very treacherous wet roads. Ate lunch in San Fernando. Stopped at San Jose de la noria in the afternoon to check up on the report of large bones. Was shown the bones and they are mammoth. Looked at strata where they came from and there are no human remains. This should be further investigated.

300 yards directly east of the town of Noria, however, is a site. Went there and collected materials. It is about 150
Tm^{c}30 yards north of Arroyo Cotheras. Arrived in Abasolo at night. Had a flat. No gas available. Felt ill during the night.

February 1

It rained. I felt ill and stayed in bed all day. I have either dysentery or intestinal flu.

February 2

Got up early and walked with Matilda Cardenes to a site he said was on a lake just north of the river. After an hour of walking we crossed the river. Too late to return. These sites
Tm^{c}31 are located 3 kilo. east of Abasolo and 2 kilo. south on the
Tm^{c}32 banks of an old lake. Tm^{c}31 is on the north side while Tm^{c}32 is on the side.

After this walk I felt pretty woozy, fainted once, but since the day was good drove on to Repello. There I looked over
Tm^{c}29 Tm^{c}29 again. Within one hour's time I collected a terrific amount of stuff. On the hillside just south of the road as
Tm^{c}33 you leave Repello I found Tm^{c}33.

Drove to Chamal. Had a bite to eat. Too ill to continue. I have the flu. Ran a fever, chills, dysentery (diarrhea), etc.

February 3

Arrived at La Pesca about noon. Felix Pena not here. However, Meltero Contero, an old resident knew of an island in the center at the mouth of the river. A little north of the center we found the island called Insulada Piedra de Lumbre.
Tm^{c}34 Rented a motor boat and visited it. Sherds of Tancol V and possibly Huasteca V or VI were all about the shell covered beach of this island. I have decided to investigate this island further. Shall return tomorrow with 2 workers.

February 4

The archaeological problem posed by the materials found on this island was: Does the island represent a camping spot or a permanent habitation site of tribes found further to the south (Tancol) or are these materials (sherds) merely the

remains of objects which were traded to the inhabitants in this area. The method for solving this problem was by excavation. A spot with both the beach and the highest part of the island was chosen. A 15 foot beach 5 feet wide was staked out. The trench extended from the shell covered beach to the 5 post at the edge of the flat top of the island. A map was made and elevations were taken. (See the following page). Photographs were taken before excavation. The 0 (number axis) ran 15 degrees south of the east-west axis (magnetic north being used to establish this axis). The first square opened was 0-15, the second 0-20, and the thired 0-25. Roughly it was like this:

Tm^{c}34

The top surface of all squares consisted of layers of shell. However, it soon became apparent that the strata of shell were horizontally deposited while the slope of the beach was not. Therefore, the first level of square 15 was equivalent to level 3a of square 3(a). All levels were 1 foot levels as the materials found were sparse.

H.I. - 4 feet 1 inch
Datum depths for a map were taken.

Station	Direction	Distance	Datum depth
Stake 0-5	214 degrees	24.5	8.1
0-25	163	8.4	5.2
0-30	129	8.5	4.1½
1	222	36.3	10.3
2	269	28.11	10.10
3	267	17.70	7.9
4	150	40	4
5	115	78	5'2"
6	330	27	4'2"
7	352	42	4'1"
8	228	41	10.2
9	340	48	10.3
10	15	58	10.8

Took a photograph before excavation.

February 5

Returned the second day by boat. The wind was up and we really had a rough time of it. The stratigraphy of the top layers of the shell deposit became apparent.

The stratigraphy was as follows:

Tm^{c}34

(a) Square 25 - Level 1 - 1 foot
(b) Square 25 - Level 2 - 1 foot and note: this and level 1 of Square 20 are equivalent.
Period VI (c) Square 25 - Level 3 and Square 2- - level 2 are the same.
(d) Square 25 - Level 4(a) and Square 20 - Level 3(a) and Square 15 - level 1 are equivalent.
(e) Square 25 - level 4b, square 20 - level 3b and square 15, level 2 are equivalent.
V (f) Square 25 - level 4 c, Square 20 - level 3c and square 15, level 3: most of this was sterile.

The only feature found was a small hearth in square 20 outlined by charcoal.

February 6

Returned and finished up the square. It was very cold, wet and windy. Got a photograph of the entire O-axis from 15 to 30. Went over the island. Directly east of this area found flint chips and 2-3 pieces of pottery - possibly modern.

Tm^{c}35

Returned to La Pesca wet, and tired. Made some attempts to repair the car battery.

Took the measurements for a profile drawing. See the following page. Did this in terms of datum depths for tying it in with the map.

the bottom level of square 15 - 7'7"
bottom of level 2, square 20 - 6'9"
bottom of level 1, square 20 - 6'2"

Measurements for profile drawing:

Stake	Bottom of shell	Bottom of dirt	Bottom 2 layer shell	Bottom of trench
15	14"	16½" refuse		2'1"
20	14"	16½"	20	2'5"
25	2'2"	2'5½"	2'7"	3'6"
30	3'2"	3'4½"	3'0"	4'5"
30 L 1	3'9"	none		4'4"
25 L 1	2'8"	2'9½"	3'½"	3'8½"
20 L 1	1'1½"	1'3"	1'4"	2'½"
15 L 1	9"	11"	1'3"	2'

February 7

Went out from La Pesca to a large island in the center of the Laguna que just west of La Pesca. Walked around the whole island and was rewarded for my effort by finding a few flint chips on the bank of the southwest side of the island. No artifacts were found but I am calling this site Tm^{c}36.

Tm^{c}36

Catalogue of Tm^{c}34

Tm^{c}24 - surface
-p1 - square 15, level 1
-p2 - square 15, level 2
-p3 - square 20, level 1

-p4 - square 20, level 2
-p5 - square 20, level 3a
-p6 - square 20, level 3b
-p7 - square 20, level 3c
-p8 - square 25, level 1
-p9 - square 25, level 2
-p10 - square 25, level 3
-p11 - square 25, level 4

February 8

Tm^{c}26 Drove from La Pesca to Tancomba. Went out from beach looking for a site - no go. Went to San Antonio and revisited Tm^{c}26. This was a mistake.

February 9

Tancomba to Salado and from there to Loreto to San Fernando.

Tm^{c}37 At the first arroyo directly north of Salado I found the remains of one small site. It was on the north bank bisected by the road to Salado.

Tm^{c}38 At Salado I was directed to a site just north of town and just east of the arroyo (also, had gas cap stolen). It was a very extensive site and although erosion has taken its toll it might be worth digging. Hurried through Loreto and Temaxal. Told of a site along the coast - but have no gas to use to visit it.

February 10

San Fernando

February 11

After repairing the flywheel pan we took off from San Fernando on the way to La Piedra. Searched around La Piedra with no success. Then continued to Buenavista. No success. Our guide about now was proving totally useless. Continued on to Santa Fe. Then on to the San Fernando. Walked a lot, talked a lot, listened a lot. 12 hours work and nothing to show for it. Returned to San Fernando.

February 12

Something is wrong with the gear shift, but after tinkering with it it worked. By afternoon took off for San Jose de la Noria. Stopped at the arroyo Chamas, walked 2 miles west of
Tm^{c}39 the highway along the arroyo inspecting the walls with no success. Returned to La Noria and was guided to Site Tm^{c}39. It is 1 kilometer east of the highway and about $\frac{1}{4}$ north of the arroyo, on the complete summit of the hills parallelling the stratum. Further inspected some large bones from the arroyo and am convinced that it is a mammoth. Spent the evening packing and preparing for the trip to the coast.

February 13

Had to tape the water hoses as they were leaking badly. Then was able to take off. The road to Reconada was very bad. It was necessary to fix the fly wheel pan twice. Finally

made a ranch near Pedrena by night. Had two reports of sites. One on the old ranch, the other next to Chores del Nido contained shell but no artifacts. Had to cut trees down so could get through.

February 14

Between Endrente and Pedreno found two sites in the morning -
Tm^c40 Tm^c40 and Tm^c41. Tm^c41 was situated about ¼ mile north of Pedreno on both sides of the road. Tm^c40 was situated 3/4
Tm^c41 mile north of Pedreno and on the east side of the road. It was next to a fence enclosing a cornfield. Continued eastward and at discovered another site. It
Tm^c42 was 1 kilometer S.S.E. of town and only 400 meters from the arroyo.

About 4 o'clock in the afternoon after having cut a road I arrived at La Barra. From there I received instructions to go to Ajo de Aqua and see an old man who knew the territory named . This old man took me in to the bay 3
Tm^c43 kilo. E.N.E. Here, at the highest point near the bay, I found a site with a little pottery, a burial which had been reinterred with a cross put over it and tiny triangular projectile points.

Then the old man and I walked ½ mile southward along an inlet and found a site with more pottery, a few points and a de-
Tm^c44 finite layer of shell midden about 1½ feet below the surface. I will return to this site on the Loreto trip and put in a test trench.

We then went out to an island directly east of Tm^c43. Found
Tm^c45 projectile points, flint and shell and a little pottery.

All these sites are in the delta of the Arroyo Cocheras. The island further out is reported to have more materials, however it is impossible to get to it.

Slept in the stable of the old man's place.

February 15

This was a completely discouraging day. Started off by getting lost and after finally reaching a ranch I got stuck in the mud. At last I arrived at Cameras. There I was informed of three sites. I visited all three, getting stuck in the sand at one of them. No sites, no nothing. Finally arrived at Carbonera. Slept there in the house of the patron.

February 16

After interviewing most of the town of Carbonera I left for Las Adjontas. At only one ranch did I receive any information of importance but could get no guide. The ranch was San Jose de Buenavista.

Finally arrived at the Chalon at Las Adjontas. There the man who ran the ferry showed real signs of intelligence. He knew of sites and arranged for a guide.

February 17

Early in the morning I went out to a bay directly north of the Rio San Fernando into which another river (which has a ferry) empties. At this point between the two rivers I found two sites. On the south side of the point I found $Tm^{c}46$. It was a small site with pottery and flint. On the point I found another site. Artifacts were exceedingly scarce, though I did find part of a molcajete with solid conical feet. However, the most important find at this site was the remainder of four burials. Two had been completely eroded out. A third was exposed and disintegrating but had obviously been interred in a flexed position, head facing toward the east and interred without artifacts. The fourth one was better. Only a few skull bones were exposed.

$Tm^{c}46$

$Tm^{m}47$

Burial 1.

When I started to excavate I found it necessary to drive the car in rear. June drove it for me. There was a cave-in and so I spent the remainder of the afternoon fixing the car.

February 18

In the morning we were planning to go to the island, but the car was in bad shape so decided not to try it. Instead crossed the ferry over and explored the bank just opposite $Tm^{c}47$ and found the blown out remains of another camp.

$Tm^{c}48$

Then returned to $Tm^{m}47$ and exposed burial 1. It was a tightly flexed burial with the head to the N.W. It was in a shallow pit and was completely without artifacts. Took a photograph of it. Preserved the bones.

$Tm^{m}47$ Burial 1.

At the ranch just west of Las Adjontas was shown and given points from a site near the house. The car was in too bad a condition to go and examine it. Will return.

$Tm^{c}49$

The gear shift of the car has gone bad. It started to rain. The food was all gone. Fled for San Fernando. There is a terrible knock in the motor. Probably the valves need grinding. 1 mile from Las Adjontas the gear shift stuck in high and would not shift to action gear. Nursed the car along riding clutch - the hard sand doing it no good. I thought a lot of things about the University of Chicago and about my lack of sense in tackling a country like this without proper running stock.

Finally hobbled into San Fernando - dirty, tired, discouraged and hungry.

February 19

Took the car to the local garage at San Fernando. They knew nothing about gear shift. Finally I took it apart and using a struck gear shift as a guide I fixed it. Then started off for Brownsville and repairs.

Had two flat tires on the way. Also the feed line clogged. The motor sounds really bad. The gear shift broke twice as

one part is very worn. Finally hobbled into a garage in Brownsville for repairs. 2 miles further and I would not have made it.

There I had letters from Griffin and Krieger telling me that tomorrow there would be a little conference at Austin with Orr, Stoneall, Kelly, Campbell, Krieger and Griffin. Both asked me to bring my stuff. Also was told that thanks to my having made the arrangements Anderson's stuff was at the University of Texas.

Was lucky and caught a plane ride free to San Antonio and then took the bus to Austin. There was and got a hotel room.

Car will not be ready until the 23rd. This I doubt.

February 20

Krieger and I hauled all my stuff to the museum at the University of Texas. I will store it here until the expedition is finished and I am ready to take it to Mexico City.

June and I spent the day cataloguing and numbering all specimens. The gang didn't arrive until that evening.

February 21

June and I finished cataloguing stuff. Then showed it to the boys. The idea of a Tancol-Huasteca camp so far north came as a bit of a surprise to them. Also, the engraving in period V was the first instance of its appearing this late.

Krieger, on seeing the Pueblito materials, immediately took me out and showed me the Alto focus stuff. The Pueblito engraved triangle surrounding the rim is exactly the same. The dominance of the coronated bowl, the ring and round, flat bottoms were other similarities. The brushing technique for making designs was exactly the same. The low, straight-sided round bottomed bowls were the same. Round solid conical feet, although rare in Alto have been found. Also, a carved stone effigy, definitely Mexican has been found at the Alto mound. Alto materials, incidentally, have been found south of Waco and just north of Houston. Not Far!!! Krieger echoed Ekholm's wish - explore the Sierra de Tamaulipas.

Kelly looked at the projectile points several times. Came to the conslusion that most sites were late and Cuahuiltecan. I will have to spend more time with him.

Had cocktail party at McAllister's house.

February 22

Mainly went over Orr's stuff. Looked at Campbell's stuff from Galveston. Neither gave me satisfaction.

Orr told me he has been hired to teach archaeology at the

University of Chicago next year. Recommended that I get my Doctor's degree quickly. Though Orr is an up and coming young chap I rather believe that Dr. Cole could and should have gotten a man with more of a name and more leadership ability and one who was a better field man.

Incidentally Stoveall and Griffen both talked about the job now open at the University of Oklahoma. Griffin says it pays about $3,500.00 a year. There is little teaching tied up with it and publication on Oklahoma archaeology is important. Cole had better talk turkey if he wants me on the Kincaid report. I wonder why he didn't tell me about the Orr appointment.

Left for Brownsville on a slow Texas train. It was a terrible ride.

February 23

Spent the day recovering from the train ride. Car not ready. Repairs will cost about $50.00

February 24

Spent the day writing letters. Wrote the mid-season report. Sent copy to Ekholm for Antiquity. Another copy to Mason and one to Cole. Also received note from Mexico saying that I have permission to explore Canyon Diablo and Rio de las Palmas. In the light of this fact asked Dr. Cole for more money.

Car not ready.

February 25 - Car not ready. Figured out financial report and added up receipts. Had $1726 accounted for; $80 in cash, and $200 in the bank. I have spent $1400 of my own money that I have not kept receipts on.

Wrote to Krieger, family, etc. Got Pueblito pottery report from Kaplan.

February 26 - Car ready. It really sounds good. Got supplies for next trip out. Went with Champion to 3 sites out on the Boca Chica road. Got a few specimens. Two sites similar to the old Cayo culture of Anderson. Burials at back.

The third site was the burial of a modern Negro, probably from the Civil War.

Also talked to Lang and Louis Lollum and arranged trip on March 3rd to Anderson's site in Mexico. These two were Anderson's guides into the Rio Grande delta region for 25 years.

Decided to try to see sites between Corpus Christie and Brownsville, to see how far Mexican influences extended into Cameron county. Also, in this way I could profitably wait for Lollums. Further, Glen Davis of Austin had recommended people who might know of stuff in this region.

June and I both sick. Went to the doctor about the dysentery we have.

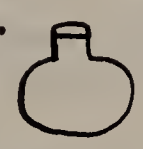
February 27 - Drove to Raymondville. Much palabra but no sites or collectors. Ran into trouble as most of the coast is covered by King ranch.

Then went to Sorita. Less luck. Kennedy ranch is along the coast. Mr. Kennedy, a Fascist despot, informed me that there were no sites on his ranch. Talked for 3 hours. What can one do in the face of this??

Returned to Brownsville.

February 28 - Went to Kingsville. Went to Museum at Texas A and I. They were very nice but they have damn few specimens and these are not numbered.

Then attempted to trace down a collection of John . Ended up at a boy's Catholic School in Corpus Christie. The good fathers I'm afraid have lost labels, etc. It is in a mess(the collections, i.e.). One pot, with location given, is in an interesting shape.



Returned to Kingsville and met J. O. Chandler. Good collector with a lot of stuff from Baffin bay. Will examine this more thoroughly tomorrow.

March 1 - Went with young J. V. Chandler to Baffin Bay to their beach house. On the east side of the bay just west of their house I found one site and on the bay, just to the
2 sites east on the west side about 3 miles from his house found another. Much of the pottery is asphalt painted stuff, but two pieces are engraved. Returned to Brownsville.

March 2 - Looked for one of Anderson's sites next to Boca Chica. No luck.

Then went across the border. Got a new visa. A courtesy visa good for 120 days. It took me 4 hours to obtain it.

Got in touch with Louis Lallum . We leave tomorrow to see Anderson's sites.

Drove to Washington beach on the Mexican side asking about sites - no luck.

March 3
Went to one of Anderson's old sites. This one was a hill on the east side of a lake just west of the Rancho Loma
Tm^c50 ATraversia. Found a few things. It was at this site that Anderson found one of his whole pots. At least we know the association now.

Tm^c51 This site was half way between Marahultos and Las Flores.

Tm^c52 Longue Salado.

March 4 - Drove from Matamoras to San Fernando. Had a blowout. Asked about sites at ranch along highway. No luck.

March 5 - Drove from San Fernando to Rancho Teson. The day was uneventful except that I broke the battery box and spent four hours getting the car out of the mud just west of Rancho Santa Fe. Did not get to Los Adjuntos.

March 6 - Tm^c49 is situated directly north across the plain from Ranch Teson and is located just east of the first point
Tm^c49 on the opposite side. Went to the site. Found 3 gorgets and parts of 1 flexed skeleton. It appears to have been a burial site, and not a camp site.

Later in the day returned to Rancho Lidios. The people were very helpful and took me to the ferry across to
Tm^c53 and half way between the ferry and Tm^c48 found a large site. This site, according to the river bank strata, is stratagraphically under Tm^c48.

Tomorrow for Comsal. Incidentally, had to change two tires and fixed the battery box with an iron fence post and Scotch ingenuity.

March 7 - Drove from Las Lidios to Camisal. Walked in mud to island(1 mile) and then walked completely around the island.

$Tm^{m}54$ On the southern tip I found the remains of numerous burials. Took 1 piece of skull and two sherds as evidence.

$Tm^{c}55$ On the northeast section of the island along a shell reef I found a great deal of pottery, mostly modern. Mingled with it, however, was old pottery and flint chips.

$Tm^{c}56$ On the northern tip of the island in the top strata I found three or four projectile points which indicated a camp site.

Dense vegetation stopped further exploration. However, $Tm^{c}56$ was interesting only in the fact that half way down the west side of the island at the base of the highest bank was found a strata of shell and projectile points. This
$Tm^{c}57$ site or camp($Tm^{c}57$) is stratigraphically older than $Tm^{c}56$. This is not as well indicated as it was in the case of $Tm^{c}53$ and $Tm^{c}48$ as the strata here is broken by erosion in place, but the soil type in the strata and the depth tend to substantiate the sequence.

After lunch we started back and at the beginning of the first line of trees inland from the mouth of the San Fernando River we drove southward 2 miles to the first hill-island-like structure. On the northeast side of it we found a
$Tm^{c}58$ site. Rather an extensive camp as well as a flexed burial, poorly preserved.

Then we started home and a tragedy occurred. Blew out one tire. Fixed it and immediately had a flat. Fixed IT and the first tire blew out again. Down to the last three tire patches. When we arrived at La Sidias we had a slow leak so I repaired it. The Coleman lamp wouldn't work as a part of it was broken, so by the light of a candle I repaired the tire and incidentally broke my glasses. The end of a perfect day. Have no tire patches left. Also, lost my best tire tool.

March 8 - Drove from Los ~~Sidion~~ Lidios to La Puerta. Arrived at La Puerta after getting stuck in the mud twice and completely blowing out one tire. Luckily I procured a tire patch from a fish truck but we are without a spare.

At La Puerta I was taken to La Puerta Rancho Viejo where
$Tm^{c}59$ I found some flint chips and two projectile points.

The rest of the population between here and Sainta Teresa were of no help. Asked at every ranch.

From Sta. Teresa to Matamoros I had one more flat and the rear spring became disengaged. Crossed the bridge with a large bunion on the front tire - ready to blow out at any moment. One spring bad, no glasses and no spare. Five miles further on bad dirt road and the expedition would have returned to Chicago.

March 9 - Got car repaired and bought supplies. Totals for the week are:

1 - battery box broken
1 - spring broken
1 - pair of glasses broken
1 - Coleman lamp defunct
2 - blowouts (3 tires no good)
9 - instances of repairing tubes and changing tires.
4 - times stuck in the mud (total hours in mud - 13)
10 sites found
2 nervous systems shot to hell.

However, Dr. Cole says that if we are careful the car will be alright in this country!

March 10 - Tried to go to Laguna Barril with Krieger. Spent 7 hours trying to find the place, no luck. Country wet.

March 11 - Rain and wind. No use starting. Wrote letters. Fixed notes and maps for La Pesca dig and bought supplies. Also, paid income tax.

March 12 - Drove from Matamoras to Tangue Salado - via the following route. Customs house on San Fernando road to Caracoal, to Loma Granerso , to Unaquitas, Palo Blano to Lasque Salado. Interviewed people at all ranches, but found no sites.

At Lanque Salado found that a new born baby (nine days old) was dying. Fed her evaporated milk and tomorrow June will drive family and baby to Matamoras to a doctor.

~~March 13 - Spent the day on horseback. First of all I found~~

March 13 - Spent the day on horseback. First of all I found stuff at the ranch of Juan Gonzalez which is about 2 kilo
Tm^{c}60 south of Lanque. The stuff was in the trees just south of the house.

Then went out to the dunes on the beach where sherds had been seen. However, wind had blown sand over the dunes and could find nothing.

Then circled the beach from the sea and about 100 yards
Tm^{c}61 west of the road to Auora, 4 kilo N.W. of Lanque Salado found a site and also the remains of fireplaces.

About ¼ mile west of that and directly N of Laguna Colorado we found another site. It is a small circular hill surrounded
Tm^{c}62 by low, damp grounds. One burial was seen, 2 fireplaces, 3 sherds, shell artifacts, etc. No flint.

Spent three more hours on horse and returned sore in the saddle.

March 14 - Back in the saddle again. Started out today N.E.
Tm^{c}63 of Lanque Salado. Followed out Resuca Chapatita and found a site just east of Laguna Lechoquias on the ocean.

Then switched eastward to Resaca La Bonito, followed it along for about 3 miles. Shells(sea) were to be intermittently seen along it. However, it was not until we were
Tm^{c}64 just south of Laguna La Toba that we encountered a flexed or bundle burial. In the near vicinity were artifacts and burned clay.

Then went just across the plain to an old ranch called Rosario. It was full of potsherds, glass, beads, etc. No site.

From here went out to the sea at Punta Bovril looking for one of Anderson's old sites - no success.

On the way home at a point called Puerto de los Mujers, I examined the area of a tip of the hill on the west side of the Puerto(east part of the hill). Here I found two flexed
Tm^{c}65 children's burials. Had no camera, therefore no pictures. Also found the strewn remains of another burial. There were other artifacts there also. This is the only site that I believe might produce anything by digging and even with digging probably damn little.

Then returned to ranch and found June and the car. Evidently the trip to the doctor saved the life of the kid. Waiting at the ranch were a couple of men. For the first time I encountered part of the unfortunate tradition started by Anderson. They had a mess of stuff they had picked up and wanted money for it. I then told them that I would pay for it only if I saw the place it came from. Therefore we went to the Rancho Rube and from there on foot to the arroyo
Tm^{c}66 1 kilo to the west of the houses. There I did manage to find some shell beads (or buttons?). However, there still is some doubt in my mind whether all came from along this and only one part - or if there might be some stratigraphy. I then paid 3 pesos for the artifacts. I only hope Anderson has not spread this tradition too widely in this territory.

During these two days Antonio Lorenzo Junion was my guide.

March 15 - This was the day in the sand. For all future archaeologists let me warn them to stay out in their cars. It is bad business. With Antonio Lorenzo Senior as my guide we started off. First we got stuck getting on to the beach. 1½ hours getting out. Then up along the beach, dodging the surf, the soft spots and the areas of shell to Portales. Left the car and went and looked for one of Anderson's best sites. Few signs of it. Also, 2 miles of walking in sand dunes and then mud is tough. Then down the beach to Boca San Jose to the mouth of the El Tigre River for another of

Anderson's sites. Absolutely no sign of it. Then decided to come home through Refugio and Anneahutos. However, after watching a fish truck get stuck decided it was worse than at Lanque Salado. Asked one of the local boys from Refugio about sites. He knew of none. Antonio confided (with glee) that Anderson had found none here.

Then back to Lanque Salado. At the beach we got stuck. Had to walk 3 miles to Lanque Salado for mules and by nine P.M. arrived at the Lanque Salado Ranch. 13 hours work, no sites, plenty of sand.

March 16 - Antonio and I made a tour of the Rancho north of Lanque Salado which was evidently in the Anderson tradition.
Tm^{c}67 At La Ravia we were given material which supposedly came from a Resaca, half way between the ranch and Loma Pasario.

Continued our survey on up to Rancho San Pedro where we had lunch and then to one other ranch 5 kilos to the north and then we returned to Lanque Salado.

On the way to Matamoros a horseman at Rancho San Jose flagged up and had materials he said came from nearby Resaca
Tm^{c}68 and also pottery from Rosario. He wanted to sell these things. I bought them and left - disgusted with Anderson's methods.

Arrived in Brownsville at 7 P.M.

March 17 - Wrote notes, did maps of La Pesca dig. Wrote letters. Had pleasant letter from Ekholm.

March 18 - Brought car across bridge to have the lock and speedometer fixed. Also, bought food. Talked over local ethnology with A.A.Champion. Wrote more letters and shipped off receipts.

March 19 - Took off to San Fernando. Inquired about Pedro de la Gorza. Then on to Victoria and gave letter to Constantio Salinas for Pedro Lerme at Los Angles. Also, talked to a young tourist about going with me to explore the Sierra de Tamaulipas. In fact I talked with him over a bottle of rum until 4 a.m. Politically very compatable for the trip.

March 20 - Went from Victoria to San Fernando, bought gas and then went on to Loreto. Had very agreeable evening talking with the de la Gorza brothers, but they know of no sites.

March 21 - First went to Morales and found an old man who knew all about habitations of Indians. Went out 1 kilo on road to Buenavista and looked at one cave - nothing in it. I then looked over the other habitations(?) and went to Rancho

San Jose. There I talked to all the cowboys and went down to the Laguna Madre. They knew of no sites around there but suggested I try St. Rosa, a hill just south of Magazes and Rancho Pottros (4 kilos from St. Teresa).

Then back to Lareto and to La Florida. Received a lot of useless information there about the indians but no knowledge of sites. All inhabitants here are new in the region.

Spent the night at Rancho Caton.

March 22 - Received information about a site on an island near the fish camp at Caton. Wind too strong today - will go there tomorrow.

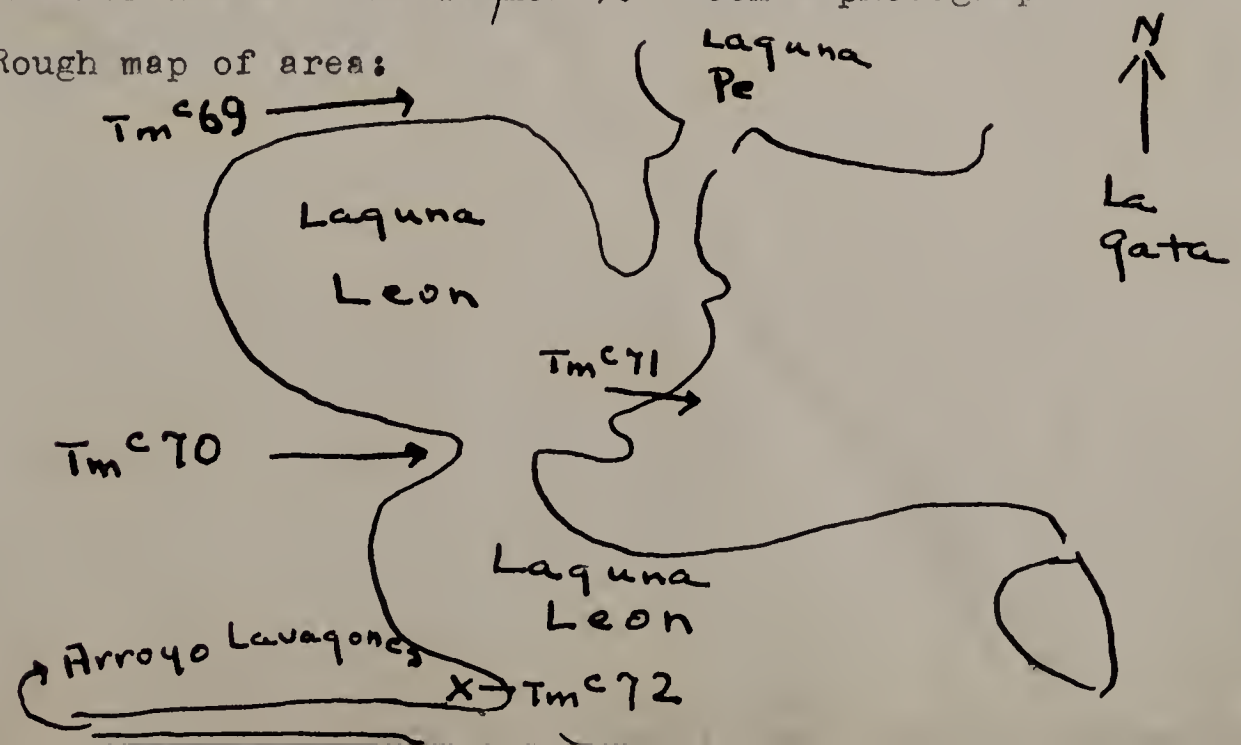
Then went to Lavaderos. Found an excellent guide - Roberto Vela. Went out on a cow trail to Laguna Madre to a bay
Tm^{c}69 called Laguna Leon. On the north side of the highest hill found a good site with little or no pottery, although our guide says that before the hurricane there was a lot.

Then circled the lake to a point coming in from the west
Tm^{c}70 which almost bisects the lake. Found another good site. It was eroding from a high bank.

Then waded across the channel separating the north Leon Lake from the south Leon Laguna to a peninsula which jutted in from the east. This place is called La Punta. Just north of La Punta I found another point on which was a large site,
Tm^{c}71 an extended burial(?), and many sherds. The occupation was indicated by a 4 inch layer of shell found about 2 feet below the present surface. If this site was not so inaccessable and labor more plentiful I would dig it.

Then went along the south side of Leon Laguna to the point where the Arroyo Lavagones enters it. On the north side
Tm^{c}72 of the arroyo was another camp site with much pottery(before the hurricane there was more). Took a photograph of it.

Rough map of area:



Then returned to Caton. The next ranch is La Barra and I visited it.

March 23 -Went out with the fishermen to see a site. I walked 8 kilos to the site, 2 kilos of which was in water to my waist. Found site $Tm^{c}73$ and down the beach from it $Tm^{c}74$.

$Tm^{c}73$ Both are good Huasteca camps and should be dug. The giving of exact directions(location?) is impossible, so I hope

$Tm^{c}74$ the following map will suffice:

Then returned to Maguazes to look for a reported site and couldn't find it. Went to Lanque Salado and Santa Rosa.

Tm^{c}75 Just east of Santa Rosa on the bluffs overlooking the arroyo on the north bank I found an extensive site.

Then attempted to get closer to the coast and Corrigo, but the road was too bad.

Back to San Fernando for the night.

March 24 - From San Fernando to Saint Teresa. Talked about sites in Saint Teresa. Received no information.

Tm^{c}76 Then out to Rancho La Postras. On the bay just north and east of the house on the Ranch found an extensive area of burned clay but few artifacts.

Tm^{c}77 Then further on to the club house which was situated on the bay called Recondia de Positras. Found here the remains of burials, and a few sherds. I was also informed that Anderson had visited this site - probably for .

March 25 - To Brownsville to look for the letter with my money.

March 26 - No letter, no money.

March 27 - No letter, no money. June left for Chicago so no wife.

March 28 - No letter, no money. Finally, after the last mail I leave for Tampico.

March 29 - Got Roberto Pavón ready and then to Victoria.

March 30 - Looked for a ride to Los Angles - no luck.

March 31 - Finally got a ride for 60 pesos. Drove to Cosas for the night.

April 1 - Got to Los Angles - tomorrow to work. What a ride - in a 1932 Ford coupe. Planned campaign with Pedro, Roberto and Jose. It ought to be all right.

Tm^{c}78 April 2 - Left Los Angles for Las Tanques which is inbetween ~~Pa Conde~~ arroyos Escondida and Cosquella. On this ridge I found a number of ruins including a round house with entrances and 3 other roudd houses with steps leading up. Also found a caracol.

See next page for a rough map.

Before lunch time, since Roberto and I had not seen the surface pottery we cleaned off the leaves from one house. On its surface found a fair amoung of pottery. This feature is

$Tm^{c}78$ house 1 — $Tm^{c}78$ - house 1. Then later, with all the crew I went to house 2 and since it was clear of trees on top I dug it in order to solve the problem as to whether these structures were houses with stone walls or platforms with the houses built on top. The latter turned out to be the proper solution. On the following page are drawings. Also, I took 2 photographs.

house 2

April 3 - Returned to house 1 in the morning since it had stairs (2 steps on the side) decided to dig it to see if there were 2 floors. We sunk a 10 foot square, 1 foot at the top - then continued down 3 feet in 2 five foot squares. The bottom $2\frac{1}{2}$ feet were only rocks. There was no other floor. I took 3 photographs of this - the light was bad.

house 1

I did, however, clean off the steps of this house. There is no doubt that these round structures are platforms. The material from the 2 houses looks the same, but in some respects differs from Pueblito materials.

In the afternoon spent 6 hours walking and looking for Mission de Las Indias. Did not find it. 10 miles walking in rough country and no luck. However, I did manage to fall down on one of the cliffs and cracked my glasses. I greatly suspect that my guide Pedro, more than getting lost(as he said he had) just plain didn't care to walk further.

April 4 - Today I went to the Cuidad on the hill just north of Canyon de Salto. The directions are as follows:

$Tm^{r}79$ — Here we found a large ruin - $Tm^{r}79$ - after 4 hours of hard walking. Then we dug 2 five foot squares, 3 levels down. See the following map of the region:

With the excavation of this house I believe that we have found that these platforms were for habitations and not temples. Flint, pottery, parts of manos and metates, wattle and daub were found in it. The superstructure was composed of wood as evidenced by charcoal. Around the walls was wattle and daub. Further, it is very likely that the top level of the excavation of this house was refuse of its inhabitants, while levels 2 and 3 - which consisted of refuse and chunks of caliche - was filler taken from the surrounding region and used to build up the center to the height of the walls.

Map of region mentioned on previous page:

Tm^r79 Here deposits went down 2 feet though only the top 3 feet produced much which was quite different from Tm^r78. Tm^r79 is as large, or larger than Pueblito. Incidently, at noon we killed a coral snake $3\frac{1}{2}$ feet long.

Then back 10 kilos (Pedro says 8 kilos) to camp. In Canyon Casqullas there were 4 houses and a motary wall or fortification
Tm^r80 wall. Picked up a few sherds - not very important, but the square wall and smaller round house warrant recognition.

April 5 - Returned to Los Angles, bathed and got rid of insects.

April 6 - Washed pottery from Tm^c78 - both houses. Prepared for the trip to Canyon Diablo.

April 7 - Walked from Los Angles to Canyon Diablo (no money for horses). Made our camp about 2 kilo north of the arroyo entering the Diablo from the direction of Los Angles. This should be situated directly below Pueblito. We then went northward(?) in the Canyon Diablo to a cave, a rock
Tm^c81 shelter. A group of 3-4 parallel lines about 4 inches long were painted on the walls in red paint. Pedro's name, with dates 1945 and 1927 may also be seen on the wall. The

floor was covered with small rocks and numerous flint chips. It was then decided to test it for depth with a 4 foot square hole. It proved very interesting. In the future this cave should be dug. A photograph of the cave was also taken. The 4 foot hole ~~which~~ was stopped at a depth of 2 feet ~~x~~ to prevent injury to the deposits as our work was necessarily hurried. The stratigraphy was the following: the top 3 inches had flint chips and part of two projectile points; next was a layer of ash two inches thick. The next 6 inches was composed of red(possibly ~~xxx~~ burned) earth containing projectile points of a different type(i.e. different at this layer from those found at the upper level). The next foot had refuse and many large rocks of the same type of materials as in the 6 inches above. At the bottom of this was a charcoal floor. Left it for future investigators.

On returning to camp found that a tiger had stalked ~~up~~ us and also shot a deer. Water situation bad. Walked about 33 kilo today. Travel in arroyo bottoms very hard on the feet.

For location of cave and sketch of it see the map on the following page. (now in back of book).

Catelogue Tm^c81

Tm^c81	-	surface
Tm^c81-1	-	top 3 inches above the ash layer
-2	-	ash layer, 1 inch
-3	-	6 inch level
-4	-	1 foot level

April 8 - This morning went southward down the Diablo. On the opposite side of the arroyo from the place where the road for Pueblito leaves the Canyon we found a large flat terrace.
Tm^c82 On this terrace were found numerous sherds, flint chips and the remains of one round house. This is probably of the same culture as is Pueblito and may represent the house of an (early) farmer and his field.

Directly north of this field is a high cliff and another shelter. This contained numerous flint chips, some points
Tm^c83 also and it has a small surface of dirt and refuse. Might be worth further investigation. Had been visited by the explorers club of Victoria.

Then went 4 kilo down the Canyon Diablo to another cave. The depth of deposits here was very small though flint was
Tm^c84 quite common. There were wall paintings which I photographed. Marked No. 1 by Explorer's Club of Victoria.

Then continued down the Canyon Diablo to another cave. It, too,
Tm^c85 had wall paintings. Incidentally, I photographed one wall painting of a man on a horse. Found a few flint chips here. Probably represents cave of Positas(as does stuff in the top of Cave 81. This is marked Cave #3 by Explorer's Club of Victoria. Here there was also a wall painting of a man with a bow and arrow.

Returned to camp and went to the field across the Canyon from the camp. Walked all over it - no luck.

While cooking dinner my glasses cracked. Water situation is bad. Feet hurt.

April 9 - Went from Diablo to Pueblito. Surface collected most of the day and made a map of the site. Water very low.

Fortunately for the mapping much of the site has had the grass burned off. Of course, one gets as black as the ace of spades. Late that night Jose arrived with more supplies. Unfortunately he only half read Pedro's note about food - therefore our supplies in the future will be low.

Pueblito/

The pottery of Pueblito is in many ways different from that previously found and the finding of numerous mold-made figurines bears this out.

April 10 - Started out in the morning for the ruins named Norasjitas. This site is supposedly north of Pueblito. Unfortunately Pedro got lost. 5 hours walking, no site - strike 2 for Pedro.

Later came back and put three more test pits into Pueblito. It is now possible to see 9 test pits in this site. At no point is the refuse deeper than 1½ feet and in most places it is less than 1 foot. However, in spite of this, I feel that there is a possibility of stratigraphy (possibly horizontal stratigraphy) at this site.

April 11 - Went from Pueblito to Eslabones. Got my first bath of the trip. Pedro's foot is in a very bad condition. If it does not get better the trip is ended. Late at night it started to rain so didn't get too much sleep. Ended up by moving everything into a cave.

We walked this 20 kilos in about 6 hours and the last 17 kilos were in river gravel. My shoes are wearing through - tough hiking.

April 12 - Well, it rained like hell all day. Nothing to do but sit in the cave and wait. Two of Pedro's friends dropped in and they will be guides in the future. They remained all day and, of course, expected some of our precious rations of food. Washed all of the Pueblito soot off my clothes. This primitive washing is not woman's work.

April 13 - Guests still with us and when we were talking about pay Roberto decided to help me out and offered the comment that in the past besides pay for guides we gave them food. My pal???

Tm^{r}86 Then up to the ruin on the top of Cerro de Guadelupe. It is about 4 kilo (up) from camp. The main pyramid is about 30 feet high and there is a lake just east of it. Surrounding the lake and south of the pyramid are numerous houses. Surface findings are extremely scarce. This is probably due to the alluvium covering them.

In the afternoon I noticed a cut made by a rancher for water. Excavated a small part of this cut and found sherds and floors extending to about 4½ feet in depth. I immediately staked out the area into 3 five foot squares and photographed it. Then we started digging. Got the humus off 2 squares and then it started to rain buckets full. After an hour of waiting we retreated to camp - soaking wet, cold and dirty. Arrived there about 4 o'clock. Running down 4 kilos of wet mountain is a damn dangerous sport. Obviously I skinned a knew when I fell.

Boy, do I miss my wife out in this lonely desolate country.

April 14 - Today the real excavation begins. I hope I have stratigraphy. The three trenches are numbered 0, 5, and 10 from east to west. Level 1 in all trenches is humus and plowed earth. Level 2 appears to be plowed earth furrowed by the plow and also contains a small amount of refuse. This is referred to as Zone A. About 1 foot from the surface is a concentration of sherds, burned clay - etc. This is Floor 1 and appears to abound in cultural materials. Underneath this is a somewhat less large concentration of refuse culminating in a floor at about a depth of 2 feet. The area above the floor is Zone B and the floor is Floor 2. In most cases both Floor 2 and Zone B were removed together. Directly under floor 2 is a semi-sterile area which I am calling Zone C. In square 0 is it about 1½ feet thick, while in the other squares it is bisected by another floor. The exact definition of this area will be investigated tomorrow.

Tm^{c}86
Zone A
Floor 1
Zone B
Floor 2
Zone C

All levels are 6 inch levels except when otherwise noted in the catelogue.

One difference I noted in this house is that it appears to have the masonry built on what seems to have been a small mound of dirt. This ought to be interesting to dig.

April 15 - In squares 5 and 10 another floor was noted which seems to connect with floor 2 along the 5 axis. This floor I am calling Floor 3 and it is separated from Floor 2 in squares 5 and 10 by Zone C. Zone C does not appear in Square 0. It was about a 1 foot strata of yellowish-brown soil with little or no cultural material in it. I rather believe it is an alluvium. Below Zone D was another floor - 4. It was not too distinct but nevertheless apparent. Materials were found, though were not numerous. Below it was a thin layer of reddish earth separating this from floor 5. This

Tm^{c}86
Floor 3
Zone C
Zone D
Floor 4
Zone E
and floor
5

is Zone E. In most cases the excavation materials of both Floor 5 and Zone E materials were lumped together and are called(compare to) level 8. Below this floor was about 6 inches more of refuse. In squares 0 and 5 at level 9 we definitely encountered Basic Soil. This lowest cultural
Zone F strata, containing little or no materials, is Zone F. It is possible, however, that in Square 10 another strata may be found. I dug down a little bit into the so-called basic soil here and though I found no sherds I was not entirely satisfied with calling this basic soil for it may also be a cultural strata.

Pedro's foot is still in bad shape. Spent a lot of the day photographing the big pyramid, houses and final cross-section.

At present I believe that this ruin is somewhat older than those to the east. The houses are usually without steps; figurines are not found and I believe some of the molcajete feet are solid, cone-like feet which are longer than the types previously found.

Simon and Desiderio Hernandez, our two guides from Eslabones told me about another ruin just northwest of here (about 20 kilosmeters) called Trijones. Don't believe I'll be able to visit it.
Tm '87 - Incidentally on plane below Refugio is a large non-pottery site

April 16 - Today we went to Cerro Refugio. Getting to the ruin itself meant about 7 kilometers of walking, 4 of which were up hill. On the way up we saw 12 deer and 4 turkeys. Once on top we saw that the third house had two casquella - one
Tm^{c}88 inverted on the other set into the floor. Also, on top of the inverted casquella was the neck of an olla. Cleaned it off here and photographed them. Finally, we had just barely gotten them out when it started to rain. While excavating I thought that there probably would be a burial inside. However, there was not. The dirt inside the casquella was taken out with the greatest possible care. First it was scraped with a trowel until handfuls of dirt were loose. Then this dirt was sifted and all that was left over(in the sieve) was examined.

As was said above the excavation of the ruin was terminated by more rain. We stood under a large rock for 4 hours while it poured and blew. Finally went back to camp - soaked the dirty dishes and wet clothes. Pedro had slept all day, having neither washed or moved our things when it rained. Food extremely low.

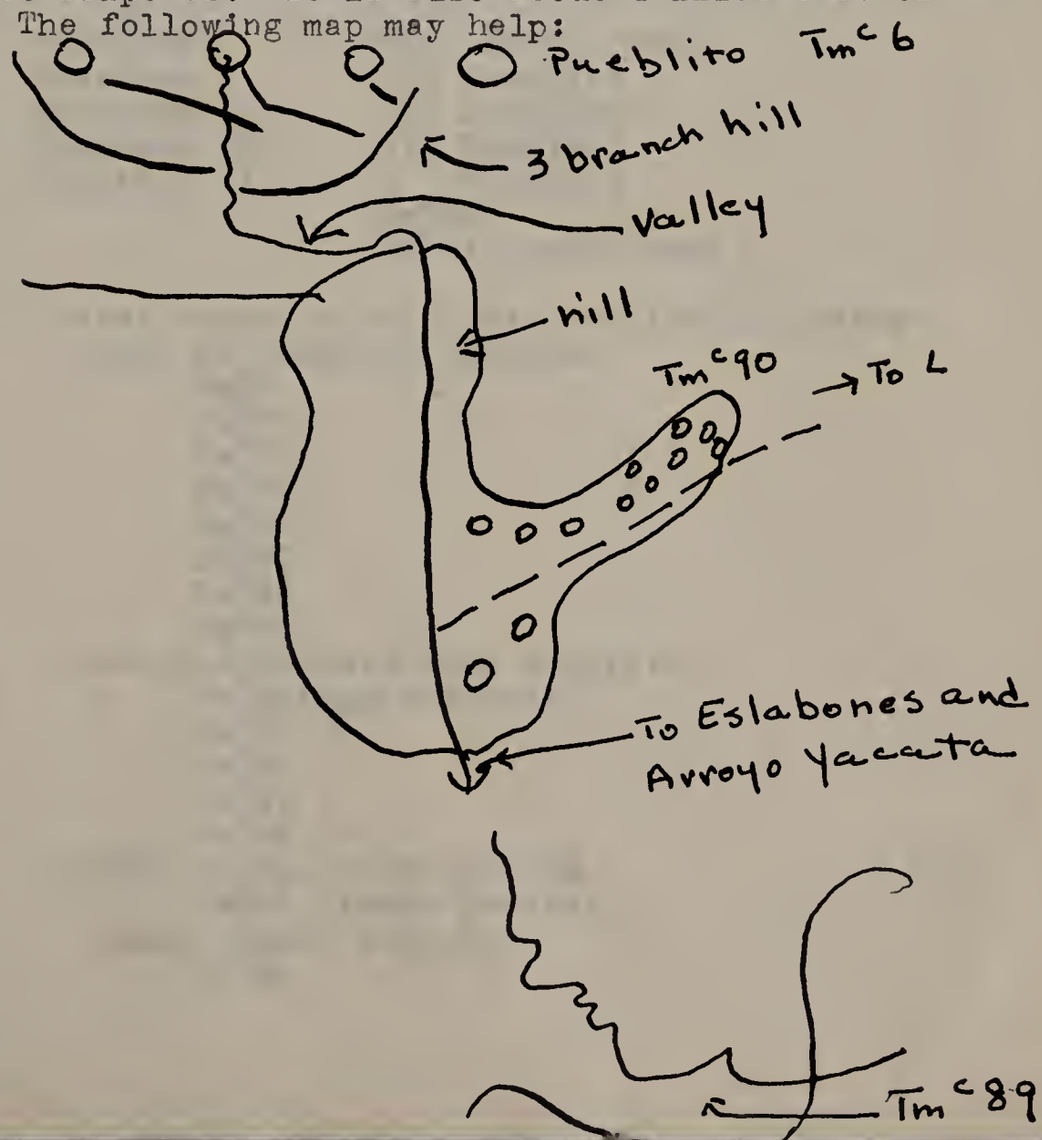
April 17 - Back to Cerro Refugio. Looked over the whole ruin, photographed it and made a sketch of the central part. Found some more sherds. Much of the top soil of this ruin has probably been washed away. One noticeable difference
Tm^{c}88 in this ruin is that houses on round platforms are constructed

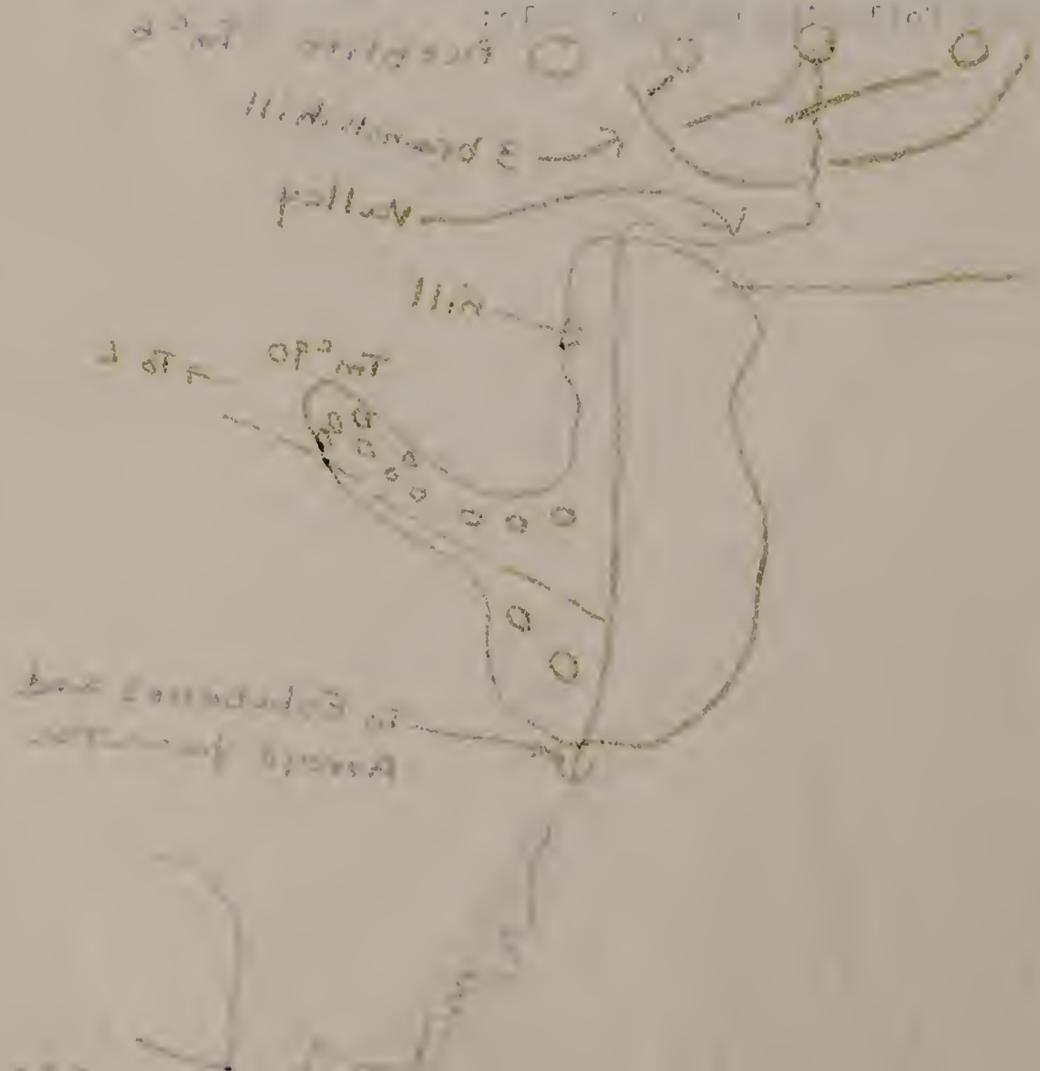
of boulders and not slabs. Also, there are no stairs apparent. Started a couple of holes, but quit as the deposits were too shallow to warrant excavation. Projectile points here are large and triangular, similar to the non-pottery culture north of Soto la Marina. On the way down the mountain shot a deer, 200 metres, one shot - in the head. Fresh meat tonight along with honey. What a feast! Took photograph of deer and cave.

April 18 - Last night and this morning talked over the possibility of going on to La Piedra, San Jose de la Rasios, and Lavadores. It is out as I don't have enough burros and probably can't buy food asethe rains have stopped the comerciantes and most important I don't believe Pedro could do it. Will try it later in my car.

After this decision started off for Los Angles. Pedro very slow. At the small grassy plain where the trail for Pueblito
$Tm^c 89$ leaves the arroyo Yacata I found an open site without pottery, a lot of flint chips and 2 projectile points.

Then continued on the trail to Pueblito. At the hill where
$Tm^c 90$ the trail turns off for Tripones found another ruin. The humus is pretty well eroded off but about 12 round houses of slate can be seen. It is just north of the trail and along the route to Tripones. It is also about 4 kilos east of Pueblita. The following map may help:





For the night slept in the Canyon Diablo. Approximately 30 kilometers walking today - 20 of it in loose river gravel. Shoes worn out.

April 19 - Arrived in Los Angles about 2 P.M. Pretty tired. More rain late in the afternoon. Paid everybody. 10 kilometers walking. Bought new shoes. Organized archaeological materials.

April 20 - Walked to Magueze to find out about a ride to Villa Casas. Not possible - too much cargo already. The other comerciante, Raphael, broke a part on his truck and probably won't return for a week. Therefore, spent the rest of the morning hiring burros, packers and packing archaeological and other equipment to go to Casas. Will walk the remaining 45 kilos tomorrow since the trip is over.

Decided to write my impressions about the trip at this point. The earliest materials were found in cave 81. These should be compared with some of the earliest materials in the Valley of Mexico, Arizona, Texas and New Mexico. The next oldest materials I believe come from the lower levels of Guadalupe 87 and Refugio 88. The second period in the Pueblito culture is composed of upper levels of Guadalupe, House I and II of Tm^c78 and the lower levels of Tm^c79, and probably Pueblito. Later than this is the culture of the upper levels of Tm^c81.

This is the sequence:	Upper Levels Tm^c81
Huasteca V	III Pueblito
Huasteca IV	III Pueblito
Heasteca III	II Pueblito
Huasteca II	I Pueblito
	Tm^c89
	Tm^c81 lower level

A summary of sites found on this trip are the following:

Ruins of Pueblito Culture
- Tm^c6
- Tm^c78
- Tm^c79
- Tm^c80
- Tm^c82
- Tm^c87
- Tm^c88
- Tm^c90

Late non-pottery cave dwellers
- Tm^c81(upper levels)
- Tm^c83
- Tm^c84
- Tm^c85
- Tm^c86

Early non-pottery culture
- Tm^c81 (lower levels)

Coahuiltecan culture
- Tm^c89

The reason for my sequence and correlations of Pueblito culture are the following.

Late Period: Pueblito and $Tm^{c}79$ upper levels have period 4 and 5 figurines, Huasteca B/W pottery and house with stairs.

Middle Period: Lack of the above characteristics. Stratigraphically under the above.

Early Period: Dominance of Red Wares
Arms of figurines are definitely not mold-made
Molcajetes feet of the long cone variety
Flat round buttons, not buttons.

Well, just heard a truck or an aeroplane. It's a truck!

Tomorrow we leave for Villa Cases in the truck.

April 21 - Drove to Villa Casas in the truck. Drove my car to Victoria. Talked with people about getting to San Jose de la Rusios. It is impossible with the rains. Therefore, will go and dig Caton.

April 22 - Drove to Jiminez and to the Arroyo Cocheros. It is full of water - impossible to cross. Caton trip out. Turned back to Victoria, then to Monterry and Resposa.

April 23 - Arrived at Matamoros. The generator in the car broke down. Arranged for a passport for Roberto.

April 24 - Got Roberto a passport. Tomorrow will go to Austin to work up Anderson's materials. The expedition is completed.

$Tm^r 78$

Cat. No.	Square	Level	House	No. Sherds
1	10R1	2 -6"	2	32
2	10R1	1 -6"	2	54
3	0R1	1 -6"	outside 2	17
4	0R1	2 -6"	outside 2	4
5	5R1	1 -6"	2	22
6	5R1	2 -6"	2	33
7	1(10')	3(1' in rocks)	1	87
8	1 (10')	2(6" in center)	1	86
9	1 (10')	1(surface and top 3" in center)	1	156
10	1(N.5')	2 (3")	1	

$Tm^r 79$

1	2	3 (1foot)	1	135
2	2	2 (6 inches)	1	188
3	2	1 (6 inches)	1	
4	1	1 (6 inches)	called house 3, but is 1.	
5	1	2 (6 inches)	1	
6	1	3 (6 inches)	1	
7	1	4 (6 inches)	1	

$Tm^c 86$

			Strata	Number
1	0	1	Humus	A
2	0	2	" and refuse	
3	5	1 and 2	" " "	
4	10	1 and 2	" " "	
5	0	3(top 3")	Floor 1	
6	5	3(top 3")	Floor 1	
7	10	3	Floor 1 and a little below	
8	0	$3\frac{1}{2}$	below Floor 1	
9	0	4	Floor 2	
10	5	$3\frac{1}{2}$ and 4	Zone B and Floor 2	
11	10	4	" " " " "	
12	0	5	Zone C	
13	5	5	Zone C and Floor 3	
14	10	5	" " " " "	
15	0	6	Zone D	
16				
17	10	6	Zone D and Floor 4	
18	0	7 and 8	Floor 4 and 5	
19	5	7 and 8	Floor 4 and 5	
20	10	7 and 8	Floor 4 and 5	

Daily Field notes of Tamaulipas Expedition

by

Richard S. MacNeish

Nov. 17, 1945 Left Chicago about 7a.m. with Herbert Smith and carload of equipment. Arrived at Ottawa at 10:20 a.m. MacGregor arrived about eleven. Ate lunch and arrived at the site at noon. Immediately contacted Danner and the three of us walked out the site. The concentrations of sherds agreed with what Wray and I found. Later in the afternoon I discovered a child burial with see-sized blue and black and white glass beads and the usual three copper hair coils. Later went and talked to Healy. His wife had recently died so he wasn't enthusiastic about digging. However, I believe he will be willing by spring when his grief for his wife is not so overwhelming. Later returned to Danner and talked about details of excavation. Everything O.K. and we may be able to rent the ball-room at the top of his house for a laboratory. Saw Skidmore and he gossiped about Swenson. May not be able to get permission there. Then went and inspected top of Buffalo Rock - no Miami Village apparent and gravel company has obliterated much of the rock. However, there are empty barns there which may be available for bunks etc. MacGregor said he would talk to State Parks about it. Left MacGregor and Smith at 5 o'clock and drove to Havana.

Kaskaskia Site

Nov. 18.
In the morning looked at the Snicurte Slu site and found nothing. Then went on to Springfield and called MacGregor and began to go over the Havana materials. Spent much of the afternoon explaining site to MacGregor.

Nov. 19.
MacGregor had done an excellent job of analysis of the pottery and for the most part I agreed with his analysis. Also, he had a number of trade sherds that should be identified by Griffin. We then checked the sherds against the arbitraty levels in the test pits and found some interesting things. Type 3 sherds appeared only during late levels. Rocker-stamping also late. Cord-marking is predominant over smooth during early level times and the opposite obtains in late levels. Straight roulettes appeared before crescent roulettes. Thus it appears that Mn 6 is earlier than Mn 9.

Havana Site Analysis

Nov. 20-21.
Drove to Austin, Texas.

Nov. 22.
Arrived in Austin. Called Krieger and went over sequence of culture and stratigraphy in his area. Charts of his sequences and pottery types are on the next page. Of the sequences I have no doubt. It really looks as tho he has the stuff well organized and his publication should be a beauty.

Nov. 23.
Talked over more of the sequences and began a discussion of Buzzard Cult and particularly the Spiro materials. Later called Orr at Camp Walter and arranged to meet him tomorrow.

Nov. 24.
Saw Orr and had real session about cult and sequence in Okla. and Texas and La. About now I believe I have a good grasp of the materials from this area and may be able to discuss them intelligently.

Nov. 25.
Buzzard Cult?

After the long discussions three facts have gradually become very apparent, and also the fact that the whole concept of a cult and the definition of a cult could bear some going over. The facts apparent are:

1. That the "cult" may have lasted for as much as 200 years and was not a cult at all but more a religion(The pattern of thought is completely analagous to what happened in discussions of Hopewell).
2. That the differences between Spiro and the more easterly Buzzard Cult material may be caused by temporal, rather than spatial, differences.
3. That the Spiro- cult material are earlier than that to the east, certainly pre-De Soto and probably pre-Columbian - and that the Mexican elements(both cult and general - truncated pyramids, etc.) probably filtered into this area slowly tho increasingly as time went on.

The above statements are not merely intuative statements but are based on sound archaeological facts. First let us examine the evidence that Spiro cult materials are early:

1. The Henrietta focus of the Pan-handle area of Texas may be equated with the Quivira materials of S. W. Kansas identified by Wedel. The Quivira site may be dated as 1530. Confirming this date is the fact that in the Henrietta materials are found Pueblo glaze sherds of Periods III and IV, Chapallero* B/W and the "Brown ware" of western New Mexico which have been dated by dendrochronology as between 1450-1550. Over the Sander materials(which have Buzzard cult). At the Sander site are found Henrietta sherds. Therefore, the Buzzard cult was at Sanders before 1550 and very likely before 1520.

*Chapellero

Age of Buzzard Cult.

2. Henrietta sherds are intrusive into the Titus focus. The Titus focus is stratigraphically over the Spiro materials. Therefore Buzzard Cult of Spiro is before 1550, etc...
3. Pueblo corrugated sherd, Chapallero B/W and Upper Gila smudge ware, dated by Haury by dendrochronology as not later than 1450 are found in the Titus focus. Titus focus is over Sprio. Therefore, Spiro is earlier than 1450...
4. The Frankston focus site is located on the Red River in the exact location of the Hosanai villages seen by De Soto in 1540. Also, confirming the Spanish accounts is data to the effect that the Hosanai were trading with the South such as Southwest glaze sherds. The Frankston focus has Titus sherds in it. Titus is over Spiro. Therefore Spiro is pre-1540 and pre-De Soto.
5. Confirming this evidence is the fact that Frankston sherds were found by Kelly at Presidio on the Rio Grande and on the basis of Spanish contacts with Espego in 1583 these materials must be earlier than 1583 - etc..
6. Sanders pottery shapes foreign to this area and, also foreign to the Southwest were found at Pecos(Glaze 5) - is ca. 1150. Also, at Pecos the shoulder bowl is found in the Glaze III-IV periods for the first time. Shoulder bowls and shapes are typical of and Titus foci. Thus Spiro which is under Titus probably is before 1550.
7. (After Orr). The distinctive pipes, shell and bone hoes, triangular side-notched and basal notched points of Quivira(1530) are found in the Fort Colby material which are over Spiro. Therefore, Spiro may be before 1530.

8. John Griffin has pointed out to me that certain "Mississippian" sites in Florida have cult materia and are late sites - probably after 1600
9. Natchez ethnology 1670 ± indicate the cult still continuing.

November 26

Met the faculty of the University of Texas. Went over more Texas materials. A man named Campbell is working up the coastal Texas stuff. Should be finished by the time I get back.

November 27.

Found in the Texas collection (from Texas?) are a number of items that need explanation.

1. A stone spindle whorl, Period V, from Mexico(has been found in Texas?)
2. 3 Las Flores B/W sherds here found and are labelled as surface finds from Chamber Co. Texas (? this)
3. 3 stone pottery stamps have been found in NE Texas. Typically Mexican (? this)
4. A carved stone bead of igneous rock has been found in North Texas (?)
5. A collector in Dallas has a stone head of Jade found around Dallas (? this)
6. 4 Aztec sherds(Aztec III) have been found at Mission sites(Near San Antonio)

Mexican Objects in Texas

Made careful analysis of pottery. Also met Sellards and saw Plainfield material which were associated with extinct bison. I wonder if it isn't just possible that many of the Pleistocene fauna lingered considerably after Pleistocene ~~fauna lagged~~ ~~[illegible]~~ times in Texas?

Plain-field (Folsom)

November 28

Spent the morning going over Kelley's materials from Presidio on the Rio Grande. For the most part his stuff is allied with the Southwest and he claims that the Southwest did not extend further down the Rio Grande though it did extend into Mexico down the Conchos(old turquoise and parrot feather trail). The four culture phases are:

Presidio	Presidio	-1683
	Conquistador	-1582
	Conception	
	La Junta	

Presidio

The first is allied with El Paso pottery and Alma plain. The people lived in rectangular connected pit houses. There were also round house and rectangular kiva structure around.

Second - rectangular house unconnected

Third - Mission influence

Fourth - full Mission ~~in~~

South-East sherds in Mex.

Later that day I looked over a number of sherds found in the Valley of Mexico that probably were made in the Southeast. There were a number of cord marked sherds, a couple with complicated stamp and a couple with zone punctate

Also, I received a copy of Anderson's locations of sites in Brownsville area, Cameron County. This stuff should be more fully worked over.

November 29

Drove to Brownsville

November 30

Received mail from Ekholm. No check until afternoon mail(was ready to really get mad). Took most of the morning tracing down the Anderson collection. Finally, after much dickering found it. It's all nicely catelogued, but the catelog is not available. One fact, however, was immediately apparent. Huasteca sherds

Anderson Colln.

from periods 4, 5, and 6 have been found in graves in Cameron County. A drawing of some of these sherds may be found on the following pages. The following Huasteca types were found.

1. Huasteca B/W (Period 6) - 70 sherds, 2 pots
2. Tancol polychrome(V and 6)
3. Heavy plain (1-6)
4. Las Flores Relief(5)
5. Redware(period 5?)

Anderson Collection

Also a gorget with a carved human figure was found, see drawing.

It certainly will be necessary to contact Anderson's family and find out about the catelog numbers and then visit these sites. Fortunately, I was told to get in touch with a man named Tony Lallum who used to accompany Anderson on his journeys. He may be very valuable. Will see him tomorrow. Spoke to him over the phone. There appear to be no other amateurs in this area.

December 1

Saw Tony Lallum from 8 A.M. to 10 A.M. This man, if his statements are valid, may be invaluable. I would hire him immediately as a guide if it were not for the fact that he has a $300 a month job and I have no money. Evidently both he and Anderson frequently worked in northernmost Tamaulipas. Upon showing him the map he pointed out about 15 places where materials may be found. From his description much of it should be period V - Tancol polychrome. Unfortunately he had little time as he had to finish up his monthly reports, but expects to return Monday and spot all the sites they found in Tamaulipas on my map. I shall not enter any of this data on my survey sheets until I have verified it personally. However, I shall mention the sites he told me about now on this page.

1. All along the Rio Pita there appear to have been numerous camp sites - about 10
2. At the mouth of the El Tigre is a huge site
3. At Borril is a site
4. Al Las Portales is an excellent site with much pottery
5. On the forest ridge in back of Portales across a bridge near a salt lake to the left is a site.
6. There are about 4 sites at San Jose, La Enabta, San Jado - which have much pottery
7. Near El Blameo is a site next to the Rio Grande

Anderson and Lallum Survey in Tamaulipas

In the afternoon went up in the Cayo Atusace region to try to relocate some of Anderson's sites. Did not find any of his but did find another one. Fragments of 8 skulls had eroded out of the bank. This is Cm^b45. Cm - Cameron County; b- burial; 45 is serial number after the last site found by Anderson. Unfortunately, the owner of much of this property was not at home and I couldn't or didn't dare go into parts of it. I will see him later.

Cm^b45

In the evening I attempted to contact a man named John Davis, collector in Phorr.- not available. It was suggested that I look up Mathews in McAllen but he didn't have a phone.

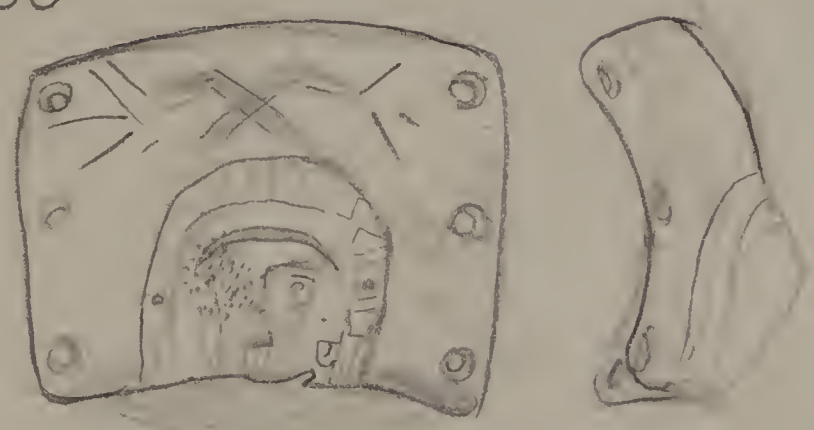
Also, got the tourist visa and I believe I will go to Mexico City Monday as I have not received the permit yet.

December 1

Caught up on field notes, wrote letters to Krieger, Griffin, Ekholm and sent bi-monthly report to Cole. Will arrange to have notes copied in triplicate. One for Instudade de Mexico, Universidad de Chicago, y mi. Among other things I wrote a long letter to Anderson's daughter about giving her father's collection to the University of Texas. It sure would help their survey and would be in a place where it would do the most good. I also asked for the catelog. With

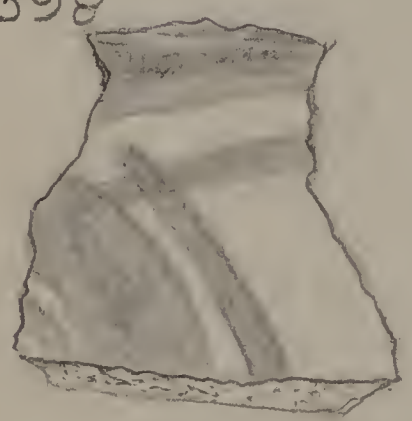
Cosdron flakes and sherd found about 3/4 mi NW of Acambaro, Guanajuato, Mexico

Box 9
C3956

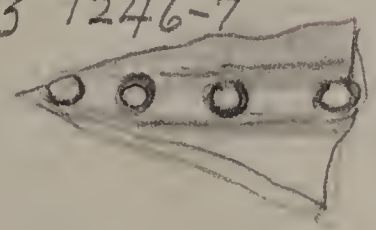


Olla fragment from N end of Laguna del Barril. Composite strata is several feet below surface. Shell arrowpts associated

Box 51
C1398

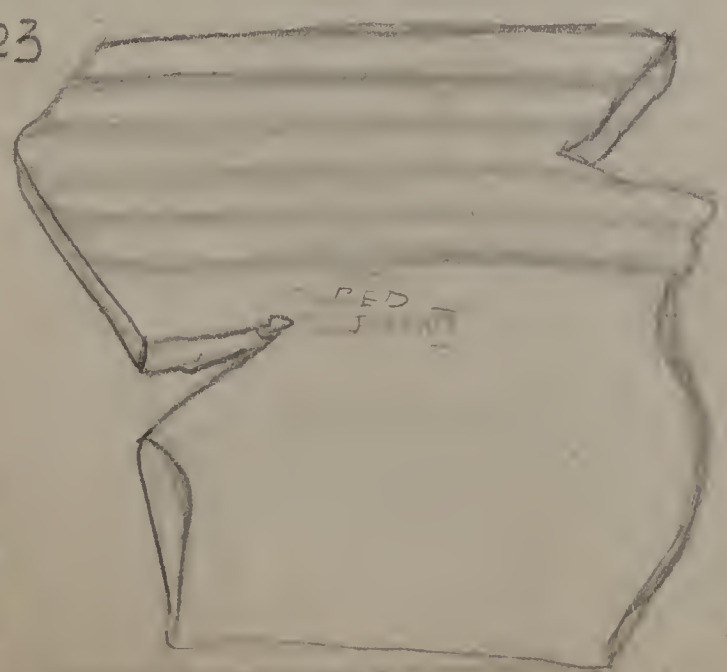


Box 52
T3 1246-7



Also in Box 52, — T3 1246-1
T4 4001
Mx 124
Mx 2096
T4 4002
Mx 1111

Box 53
T4 123



Low Flat Relief

MX 3370
BOX 53

(also MX 1459)

the catelog I could go to town on giving a report on the findings of Anderson.

December 2

After a rather late start I drove to Antiguo Morelos on the first day. Got my first chance to see Tamaulipas. Had a little trouble getting gasoline, but otherwise OK. My Spanish seems to hold up under fire of the natives.

December 3

Arrived in Mexico City in the evening. It was quite a trip over the terrific mountains and the scenery magnificent. Late in the afternoon we started down and the first town we hit was Zimopan. The scenery and the town was beautiful. It really would be a swell place to live. Decided to stay at a Tourist Court - Guadalupe Courts. - Cheaper than hotels, about $2.50 per day.

December 4

Started to look for officials - Martinez del Rio not in; Palacios quit for the day; Moreno in Oaxaca and Borbolla out. Quit looking at 2 o'clock a little discouraged, and went out to Teotihuacan. The guide - Manuel Castenda Raminez, an intelligent young archaeologist, spent about 4 hours taking me around. Pompeii and the Near East has nothing on this ruin. We saw two of the house sites that they are now excavating. It must have been very beautiful in the original. The outside was painted red and the inside was covered with frescoes. Also, he showed me some of the pottery. Pipes and copper don't appear in Teotihuacan times. Very significant?

December 5

I got to see Martinez del Rio - very intelligent fellow and no doubt will be of help. Also, had a long talk with Palacios. My permission is now sitting in Brownsville. He told me Saldivar was in the Ministry of Foreign Affairs. I explained to Palacios that I would give them a complete set of notes of my daily notes, maps and all materials. I left with everybody feeling happy. Then I looked for Saldivar - no success. Finally in the afternoon I went to talk with Rubin de la Borbolla. He has a wealth of information. First he told me about a new cache found in the Monte Alban region which is richer than the finds of Caso(there). Secondly he told me about the financial set-up of the Institute. It is a little hard on good dirt archaeology. Then he told me about the finds of Helmut de Terra near Teotihuacan. It appears that de Terra has found artifacts in the same strata as the remains of elephants bones. At last Early Man in Mexico! Also, he is giving me a copy of the Third Round Table Conference Report. That will be handy. Finally we talked over the question of Krieger getting the Anderson Collection. He thinks he has friends that may be able to help. Muy Bueno. I also asked about having a study made of the copper. I'll bet some copper of the Huasteca V and VI periods is from Lake Superior.

December 6

Looked for Tenayuca - didn't find it. Looked for Saldivar and didn't find him. Institute closed because of a funeral.

December 7

Went down to the Institute to get some books. Found Watkins, Julio de la Fuente, and Weitlander. Talked over permissions, passports and visa etc. Read some of the Round Table Conference stuff and Saldivar "Indians of Tamaulipas" etc. Went to a party of anthropologists at De la Fuente's. Went to Saldivar's house late in the afternoon and found him. This guy will be valuable. Called Meade and he is in San Luis Potosi.

December 8

Went to see Saldivar in the morning. Spent four hours with him. Besides a wealth of information about sites and cultures found on the next page he gave me a letter of introduction to the governor of Tamaulipas, a professor in Cuidad Victoria, a rich person interested in archaeology from Victoria and to various peoples he knows in the small towns. The sites will be found below:

Important as the sites was the ethnological fact that the Comecurdo were nomads and during the 1500's were seen in the region of the Huasteca(near Tampico) ? on the Ranchos, on the Rio Grande and that they went up into Texas to a lake - either a lake in the North Brooks County or a Bay in the North of Willoy County to get salt. This salt in block form they traded both north and south. Probably this is our means of contact between Mexico and the Southeast. He is getting me the exact sources for this data.

In the afternoon I was supposed to meet Martinez del Rio at his site near Plaza del Santiago. Unfortunately I got lost and followed out the street Buliva instead of Bolivar. When I found it he was gone. However, Senora Espejo showed me around his ruin. She appears to be doing an excellent job and her findings fit nicely with the ethnohistorical data. Later went out and found Tenayuca. While walking about I picked up 20 cord-marked paddled sherds. Where in hell did these come from but the easternmost part of the United States?

Later called up Del Rio and apologized and will meet him Monday.

December 9

Wrote notes, letters and so forth. Also, the owner of the Guadalupe Courts invited me to dinner there.

December 10

Early Monday morning saw Del Rio, had a very pleasant chat. Then left for Tampico. At Pachuca broke a spring. Had it repaired then over the mountain at night, on a gravel road in a thick fog. Forced to stop at Huastenango. June bought a few trinkets. Having trouble as usual getting receipts.

December 11

Drove to Tuxpan in the morning. Just outside Tuxpan there are a couple of conical pyramids(Huastec?). The road is really miserable from Tuxpan to Tampico. Just north of Alamo stopped and looked at four mounds, all stone surfaced. Three are conical, one rectangular. Picked up some sherds. Appear to be Huasteca, Period VI. Got stuck in the <u>mud</u> twice. Finally made Tampico after dark.

December 12

Went out to Panuco and saw Roberto Pavón and the Pavón site. Roberto is a swell guy. Also, saw Las Flores site. Examined Huasteca sherds of all periods and saw some round shell gorgets, Later in the evening saw Blas Rodriguez.

December 13

Saw B. Rodriguez collection. Has a lot of stuff. Good review of Ekholm's stuff. Then Pavón and I went out to Tampico Alto to see the collection of a priest. The collection was excellent and his small museum excellently kept up. While on the way out Pavón told me his biggest secret. It sure is important. Both he and I are writing Ekholm about it. Pavón would like to go on the survey with me and it would cost me only expense. I believe in the future I will take him. He might prove invaluable.

December 14

Drove from Tampico to Brownsville. It rained and the roads were slick. On stopping in San Fernando I found a site
Was told about one near town.

December 15

Got laundry and finally received the permission. At last the expedition is official. In the afternoon went out and found Judge Darcy. He has the Anderson field notes and I will get them Monday. Among my letters from Cole, the Bursar's office, etc. was a card from Jack T. Hughes, a student of Krieger who would like to work for me for free. He had been in Brownsville for two days and now just left. Tried to contact him at the customs gate but no success. If I can contact him he will be a valuable asset. At present he would be helpful but in a couple of months he would be invaluable. Thus I would have a crew of five in the future for excavation and might be able to excavate four places at the same time. One under my direction, one under June's direction, one under Pavón and one under Hughes. It will be a neat set-up if it pans out.

December 16

? Saw Mr. Chapion about Anderson's field notes. Finally, found them at his house with the materials. They consist of three notebooks in not too bad conditions. Spent the rest of the day reading them. From them I got the exact location of the Huasteca(5) whole pots. No real catelog was found. In the following pages I shall describe briefly the pots and their locations.

1. Olla - la loma de las Pesca - cream in color

shape:

decoration

Site is about 100 yards southwest of where road from Soledad to La Pesca crosses the Arroyo del Tigre. 4 burials were also found in the same area.

Tancol Polychrome

Olla - La Loma Atrovasada

Probably same shape as others. Evidently only a red wash over outside.

- found near ranch Alvarasoda - about 100 yards north of jocales. Ash deposits(inhabitants?) about things.

Olla - Coyo Alascoso

Found at site 16.6. Have picture of it.

Huasteca B/W

Olla - Tanges Salado

Lea Franka's son - a place about 1.5 miles westerly from the road. It was on the western margin of a narrow eroded, resaca ridge running from Northeast to Southwest below salt lagusas. Anderson dug a here. Same shape(of olla) as the first. Design: red and black on cream, animal design

Tancol Polychrome
Bomel Las Onacahuitas
Salvador, about a mile westerly from Asacahuitas, just south of arroyo del Tibry(35 m. from Malomos) A small channel skirts its Eastern slope. It is a small hill.
Shape:

Huasteca B/W
Engraved shell ornament - c.3956
It was found in 1917 by Melcher Cortez about 200 yards northwest of Fresnos and about the same distance west of Tepehaje Ranch in share ~~of~~ 18 of Espiritu Santo Govnt, Cameron Co.
- Lat 26°08.4; Long. 93°31.8. It was associated with human bones.

Also, got a map of Anderson's site in which sites agree with map.

Worked a little on a report of the trade pottery at Kincaid.

December 17
Decided to attempt to find a number of sites of Anderson to see what they were like and perhaps to plan to excavate them in the future. Spent the day looking for S16.6 and S16.5. Found both after much walking. There were scattered human bones, charcoal and shell(oyster, cat) at 16.6 while at 16.5 there was only a thin line of charcoal(the line 1 inch thick) as well as shell. It was cold and either raining or threatening to rain all day.

December 18
Went out and found o.o5. Found only a line of charcoal and few scattered bones-not human.(damn near froze.)

December 19
Went out and found 12.7 and 13.3. 12.7 had only scattered fragments of shell and a few(3) pieces of flint. 13.3 was much better, part of a skeleton had eroded from the bank and there was fire, very dense line of charcoal that showed up on the bank. This line extended for about 30 feet. This is the best site I have seen. No artifacts found. It was bitterly cold with a cold wind.

December 20
Went and found 10.2W and 10.3W and 10.4. None of them were very good. Also, this jungle is terrific.

December 21
First returned Anderson notes, got mail, sent letters to Cole and Krieger. Then went around and talked to Champion about the ethnology of Brownsville area and talked over Saldivar's book.

Finally, was ready to go and then found out I was not able to use a tourist visa. Therefore, I went to the ~~imm~~ immigration authorities at Molamores and after showing my official documents got a courtesy visa from the chief. By the time I finished this crap it was too late to start.

December 22

? Drove from Matamoros to Abucalo. It sure helps to have a few letters to important people, a special courtesy visa and the permit. In the evening at ? Abasalo, beside drawing a crowd of minas to look at the animales estrane, I received some interesting information. First of all there are archives at Jiminez which may give a little information about ethnology of the area. Also, there are Indian remains from Cerro Gordo. Also, I found out that there is a site at Contradere and that el Senor Salenas has many paints. Secondly, at the bridge between Jiminez and Abasola, at the Rachas de Samoneal are many ? chingro of the . Also at Arroyo de Cobera is a camp. Also, at the Ranchos Garcienllo are large bones. Inthe Cerro de la Aire are many caves with things of the Indians. The Presidente of the town believes that the Indians lived mostly in this region. He then sat down a planned a little trip for me and June to this place on the 25. Nothing like Christmas on a horse for 8 hours. Also, the presidente has a metate, in stone; a mortar or olla and 3 ornamented roller pestles.

December 23

During the morning I took a picture of the stone mortar(or olla as it is called in this region), the metate and the pestles. There all were found in the bank about 8 feet down on the Sole la Marina river at Palo Alta.

The photograph is on the next page.

In the afternoon I started off on the Road for Palo Alto.

Tm - Tamaulipas
p - camp or pueblita
b- burial
r - ruin of long occupation
c- cave

Tm^{c}1 - On the road from Abasalo to Contradero, about 200 yds north of of Contredo just before the Telephone line passes from the left side of the road to the right. We noticed a large deposit of mussel shells. On looking around we found a large area mainly left of the road. The materials found include two thumbnail scrapers, much flint, and 2 pieces of pottery. I do not believe the site has much depth.

Tm^{c}2 - About 2 miles south from Contradero on the road to Palo Alto, just before one reaches the largest arroyo between the two towns(coming from Contredero) there was a large site. This site appeared to be at least one foot deep. We found four pieces of pottery, one point, parts of three others, part of a knife and some scrapers. There is also an abundance of mussel shells and some animal bones.

Tm^{c}3 - Past Palo Alto at the Arroyo Cabreas, down about 200 yards from the road crossing on the arroyo on the south bank near the top was a huge deposit of shell about 70 feet in length. Walking along underneath it I found a large sherd and quantities of flint. This arroyo will be further investigated.

On December 23rd I will take the trip to the Cerro de la Aire. I also talked with persons from Chancol. He suggests I drive to Soto la Morina, take a boat to Pesecu and then take a horse to El Senor Kennedy's ranch at Chancol. He believes Kennedy is interested in Indian things.

December 24

El Senor Ferando Salinas of Jiminez said at Ranch La Bonita there are caves on the road from Jiminez to San Fernado. El Puerto, de Frijo, municipio de Haumbue. El Professor told me pointing: At Pueblita from Victoria, as Cosas, then to Los Angles, leave car there, then later a mule - ask the people about this. He will give me letters to people there. San Antonio de ruinas, south of Victoria. Go in the car 6 miles, then take a mule.

December 25

Took a horse from ~~Afusole~~ Abasolo to Cerro Aire. Saw two caves - one was completely sterile. The other, a limestone cave in which Indian objects reportedly have been found I went into. Only one flint scraper was found. After a good deal
Tm^{c}4 of crawling around I did find a place that might have been human refuse. It contained mainly not dung, but some material, probably charcoal, no artifacts found here.

On the way back on the north bank of the Arroyo de Sairo about 1 mile NNE of
Tm^{p}5 Abosole on the trail to the cave a found a very long midden of shell. Found 3 pieces of pottery, 2 or 3 projectile points, scrapers and large deposits of shell.

Also, was told about a large shell mound on the River next to [redacted] Abosolo. Will visit it in the future.

December 26

Drove to C. Victoria. Was not able to find the governor. Also, burned out a generator and blew a gorget. This car is not built for this country. It is really too bad for me to ruin it in this country while the University of Chicago could give me money for another.

December 27

Attempted to see the governor but this is the end of the year so no soap. However, I did see Pablo Lavin, Moreny and Martinez, and the Seratrisio gave me a letter to Candeloria Reyeo. He proved to be a very interesting fellow and showed me a pot from around Pueblita that is definitely Tancol. Also a friend of Pablo Saim, Castenyda talked about the ruins of Pueblita and pyramids of Estabores all day. When I brought the subject up to Moreny and Martinez he immediately gave me a letter to people in that area. I arranged for a truck ride out there since Palacio said if I wanted to go south of the river I could if I found something important and since the sherds from Sota La Morina are like Pueblita and since it may be the home of Tancol I'm going.

If it has something important I'll ask permission to dig.

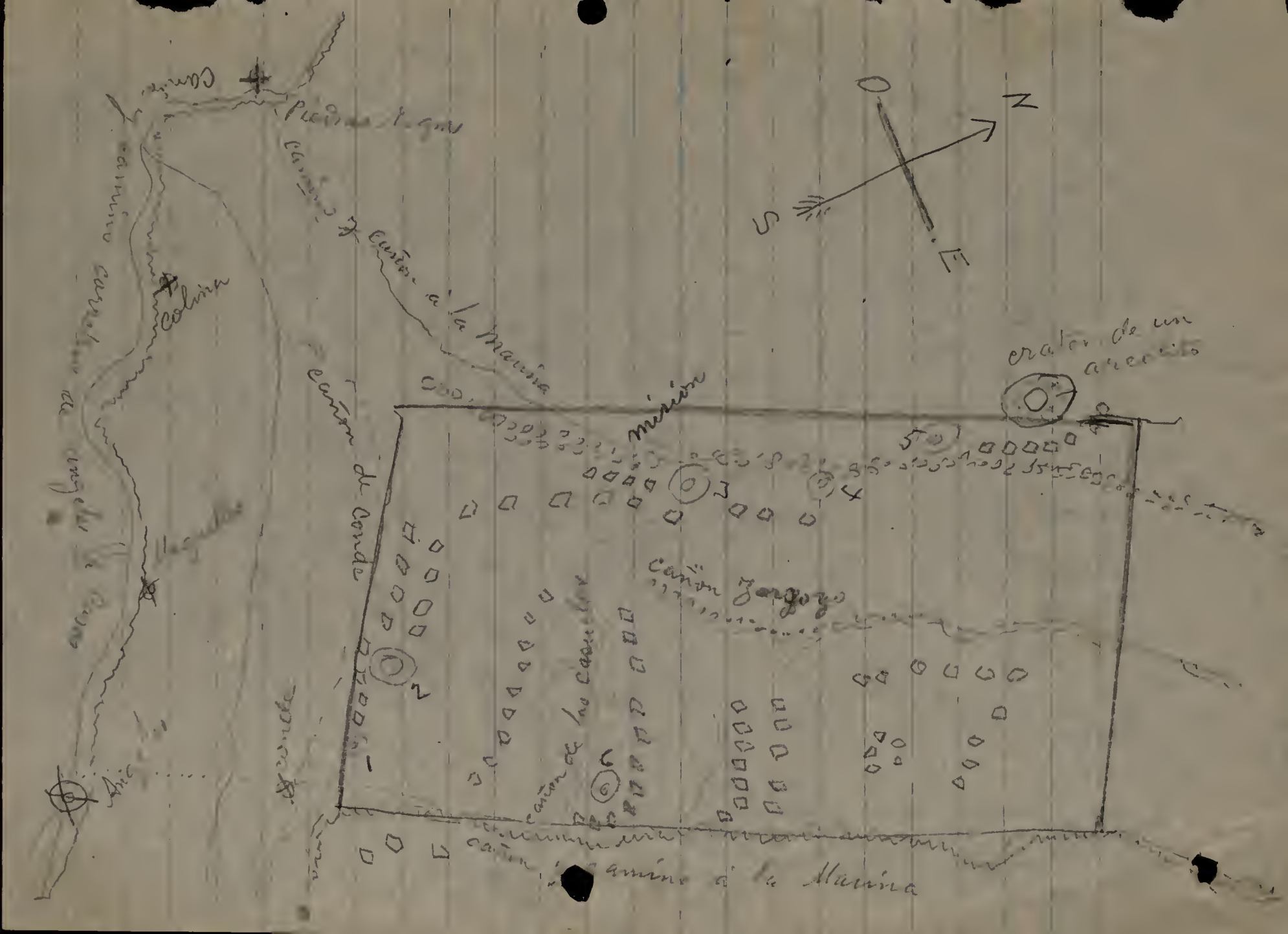
December 28

? Met a man named ~~Pablo~~ Pedro de la Garza who owns a ranch south of Chamal. He offered all sorts of help. I will probably stay at his place in the future.

Photographed Reyes' pot. Got letter to people in Sota La Morina and to Pablo F in Loa Angles

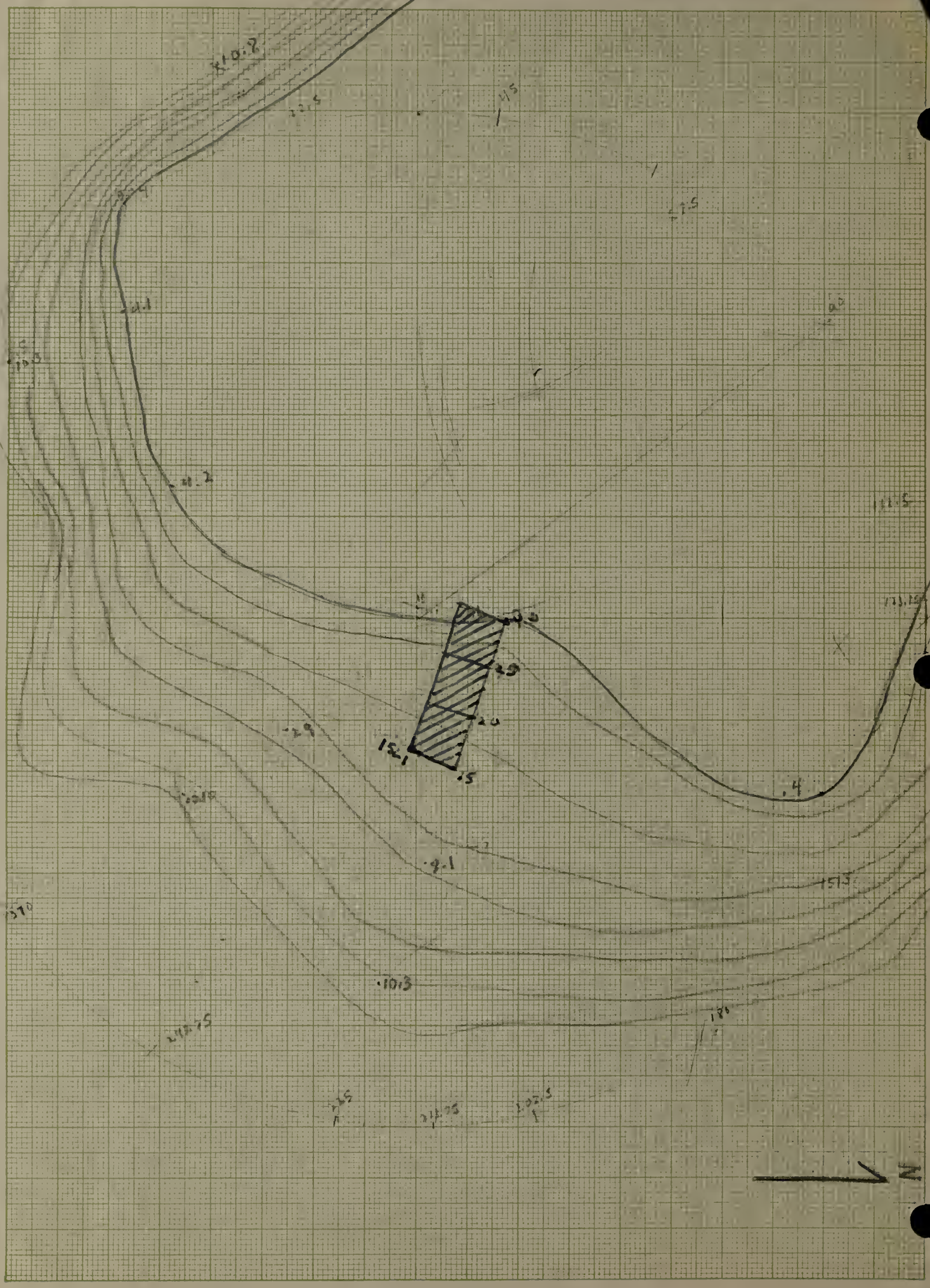
December 29

Contacted ride to Los Angles with Constancia Salinas. Left in the night for Los Angles. Stored car as it could not be used on these roads.


O
N
S
E
Cañón de la Marina
Cañón de Conde
Cañón Zorgoyo
cráter de un arroyito
mina
colina
camino
Cañón de la Marina
1
2
3
4
5
6

Este enriquio tiene una superficie de 10.000 hs
entre las ruinas ay 6 tanques artificiales por los indios
tiene por linderos esa zona al Norte un pozo profundo
de 100 metros de profundidad y 50 metros de
diametro, por el aspecto que tiene es un crater
donde cayo un grande meteoro que pesara
muchas toneladas. Al Sur el camino de Conde
al Este el camino de la Marina y al Oeste el
camino que va de Piedras Negras á Villa la Marina
dentro de esa superficie ay como 400 casas
en ruinas todas redondas de piedra.
El ranchito mas cerca de estas ruinas es los Angeles
Jurisdicion de Villa de Casas, del Estado de Jalisco
México.

José Urrutia


.3
.25
.2
.15
.4
N

Stake	bottom of shell	bottom of dirt	bottom 2 layer of shell	bottom of trench
20	14"	16½"	20	2'5"
25	2'2"	2'5½"	2'7"	3'6"
30	3'2"	3'4½"	3'0"	4'5"
30 L 1	3'9"	none		4'4"
25 L 1	2'8"	2'9½"	3'½"	3'8½"
20 L 1	1'1½"	1'3"	1'4"	2'½"
15 L 1	9"	11"	1'3"	2'

February 7 - Went out from La Pesca to a large island in the center of the Laguna que just west of La Pesca. Walked around the whole island and was rewarded for my
Tm^{c}36 effort by finding a few flint chips on the bank of the south-west side of the island. No artifacts were found but I am calling this site Tm^{c}36.

Catalogue of Tm^{c}34

Tm^{c}24 - surface
- -p1 - square 15, level 1
- -p2 - square 15, level 2
- -p3 - square 20, level 1
- -p4 - square 20, level 2
- -p5 - square 20, level 3a
- -p6 - square 20, level 3b
- -p7 - square 20, level 3c
- -p8 - square 25, level 1
- -p9 - square 25, level 2
- -p10 - square 25, level 3
- -p11 - square 25, level 4

February 8 - Drove from La Pesca to Tancomba. Went out from beach looking for a site - no go. Went to San
Tm^{c}26 Antonio and revisited Tm^{c}26. This was a mistake.

February 9 - Tancumba to Salada and from there to Loreto to San Fernando

At the first arroyo directly north of Salado I found
Tm^{c}37 the remains of one small site. It was on the north bank bisected by the road to Salado.

Tm^{c}38 At Salado I was directed to a site just north of town and just east of the arroyo(also, had gas cap stolen). It was a very extensive site and although erosion has taken its toll it might be worth digging. Hurried through Lareto and Temaxal. Told of a site along the coast - but have no gas to use to visit it.

February 10 - San Fernando

February 11 - After repairing the flywheel pan we took off from San Fernando on the way to La Piedra. Searched around La Piedra with no success. Then continued to Buenavista. No success. Our guide about now was proving totally useless. Continued on to Santa Fe. Then on to the San Fernando. Walked a lot, talked a lot, listened a lot. 12 hours work and nothing to show for it. Returned to San Fernando.

February 12 - Something is wrong with the gear shift, but after tinkering with it it worked. By afternoon ~~xxxx~~ took off for San Jose de la Maria. Stopped at the arroyo Chamas, walked 2 miles west of the highway along
Tm^c39 the arroyo inspecting the walls with no success. Returned to La Maria and was guided to Site Tm^c39. It is 1 kilometer east of the highway and about ¼ north of the arroyo, on the complete summit of the hills parallelling the stratum. Further inspected some large bones from the arroyo and am convinced that it is a mammoth. Spent the evening packing and preparing for the trip to the coast.

February 13 - Had to tape the water hoses as they were leaking badly. Then was able to take off. The road to Reconada was very bad. It was necessary to fix the fly wheel pan twice. Finally made a ranch near Pedrena by night. Had two reports of sites. One on the old ranch, the other next to Chores del Nido contained shell but no artifacts. Had to cut trees down so could get through.

February 14 - Between Endrente and Pedreno found two sites in the morning - Tm^c40 and Tm^c41. Tm^c41 was situated about
Tm^c40 ¼ mile north of Pedreno on both sides of the road. Tm^c40 was situated ¾ mile north of Pedreno and on the east side
Tm^c41 of the road. It was next to a fence enclosing a cornfield. Continued eastward and at discovered another site. It was 1 kilometer S.S.E. of town and only 400 meters
Tm^c42 from the arroyo.

About 4 o'clock in the afternoon after having cut a road I arrived at La Barra. From there I received instructions to go to Ajo de Aqua and see an old man who knew the territory named . This old man took me in
Tm^c43 to the bay 3 kilo E.N.E. Here, at the highest point near the bay, I found a site with a little pottery, a burial which had been reinterred with a cross put over it and tiny triangular projectile points.

Then the old man and I walked ½ mile southward along an inlet and found a site with more pottery, a few points and a definite layer of shell midden about 1½ feet below the
Tm^c44 surface. I will return to this site on the Loreto trip and put in a test trench.

We then went out to an island directly east of Tm^c43.
Tm^c45 Found projectile points, flint and shell and a little pottery.

All these sites are in the delta of the Arroyo Cocheras. The island further out is reported to have more materials, however it is impossible to get to it.

Slept in the stable of the old man's place.

February 15 - This was a completely discouraging day. Started off by getting lost and after finally reaching a ranch I got stuck in the mud. At last I arrived at Cameras. There I was informed of three sites. I visited all three, getting stuck in the sand at one of them. No sites, no nothing. Finally arrived at Casbonera. Slept there in the house of the patron.

February 16 - After interviewing most of the town of Carbonera I left for Los Adjontas. At only one ranch did I receive any information of importance but could get no guide. The ranch was San Jose de Buenavista.

Finally arrived at the Chalon at Las Adjontas. There the man who ran the ferry showed real signs of intelligence. He knew of sites and arranged for a guide.

February 17 - Early in the morning I went out to a bay directly north of the Rio San Fernando into which another river(which has a ferry) empties. At this point between the two rivers I found two sites. On the south side of the point I found
Tm^c46 Tm^c46. It was a small site with pottery and flint. On the point I found another site. Artifacts were exceedingly scarce, though I did find part of a molcajete with solid
Tm^m47 conical feet. However, the most important find at this site was the remainder of four burials. Two had been completely eroded out. A third was exposed and disintegrating but had obviously been interred in a flexed position, head facing toward the east and interred without artifacts. The fourth one was better. Only a few skull bones were
Burial 1. exposed.

When I started to excavate I found it necessary to drive the car rear. June drove it for me. There was a cave-in and so I spent the remainder of the afternoon fixing the car.

February 18 - In the morning we were planning to go to the island, but the car was in bad shape so decided not to try it. Instead crossed the ferry over and explored
Tm^c48 the bank just opposite Tm^c47 and found the blown out remains of another camp.

Then returned to $Tm^{m}47$ and exposed burial 1. It was a
$Tm^{m}47$ tightly flexed burial with the head to the N.W. It was
Burial 1. in a shallow pit and was completely without artifacts.
Took a photograph of it. Preserved the bones.

At the ranch just west of Las Adjustas was shown and given
$Tm^{c}49$ points from a site near the house. The car was too bad a
shape to go and examine it. Will return. in

The gear shift of the car has gone bad. It started to rain. The food was all gone. Fled for San Fernando. There is a terrible knock in the motor. Probably the valves need grinding. 1 mile from Las Adjantas the gear shift stuck in high and would not shift to action gear. Nursed the car along riding clutch - the hard sand doing it no good. I thought a lot of things about the University of Chicago and about my lack of sense in tackling a country like this without proper running stock.

Finally hobbled into San Fernando - dirty, tired, discouraged and hungry.

February 19 - Took the car to the local garage at San Fernando. They knew nothing about gear shift. Finally I took it apart and using a struck gear shift as a guide I fixed it. Then started off for Brownsville and repairs.

Had two flat tires on the way. Also the feed line clogged. The motor sounds really bad. The gear shift broke twice as one part is very worn. Finally hobbled into a garage in Brownsville for repairs. 2 miles further and I would not have made it.

There I had letters from Griffin and Krieger telling me that tomorrow there would be a little conference at Austin with Orr, Stoneall, Kelly, Campbell, Krieger and Griffin. Both asked me to bring my stuff. Also was told that thanks to my having made the arrangements Anderson's stuff was at the University of Texas.

Was lucky and caught a plane ride free to San Antonio and then took the bus to Austin. There was and got a hotel room.

Car will not be ready until the 23rd. This I doubt.

February 20 - Krieger and I hauled all my stuff to the Museum at the University of Texas. I will store it here until the expedition is finished and I am ready to take it to Mexico City.

June and I spent the day cateloguing and numbering all specimens. The gang didn't arrive until that evening.

February 21 - June and I finished cateloguing stuff. Then showed it to the boys. The idea of a Tancol-Huasteca camp so far north came as a bit of a surprise to them. Also, the engraving in period V was the first instance of its appearing this late.

Krieger, on seeing the Pueblito materials, immediately took me out and showed me the Alto focus stuff. The Pueblito engraved triangle surrounding the rim is exactly the same. The dominance of the coronated bowl, the ring and round, flat bottoms were other similarities. The brushing technique for making designs was exactly the same. The low, straight-sided round bottomed bowls were the same. Round solid conical feet, although rare in Alto have been found. Also, a carved stone effigy, definitely Mexican has been found at the Alto mound. Alto materials, incidentally, have been found south of Waco and just north of Houston. Not Far!!! Krieger echoed Ekholm's wish - explore the Sierra de Tamaulipas.

Kelly looked at the projectile points several times. Came to the conclusion that most sites were late and Cuahuiltecan. I will have to spend more time with him.

Had cocktail party at McAllister's house.

February 22 - Mainly went over Orr's stuff. Looked at Campbell's stuff from Galveston. Neither gave me satisfaction.

Orr told me he has been hired to teach archaeology at the University of Chicago next year. Recommended that I get my Doctor's degree quickly. Though Orr is an up and coming young chap I rather believe that Dr. Cole could and should have gotten a man with more of a name and more leadership ability and one who was a better field man.

Incidentally Stoveall and Griffin both talked about the job now open at the University of Oklahoma. Griffin says it pays about $3500 a year. There is little teaching tied up with it and publication on Oklahoma archaeology is important. Cole better talk turkey if he wants me on the Kincaid report. I wonder why he didn't tell me about the Orr appointment.

Left for Brownsville on a slow Texas train. It was a terrible ride.

February 23 - Spent the day recovering from the train ride. Car not ready. Repairs will cost about $50.

February 24 - Spent the day writing letters. Wrote the mid-season report. Sent copy to Ekholm for Antiquity. Another copy to Mason and one to Cole. Also, received note from Mexico saying that I have permission to explore Canyon Diablo and Rio de las Palmas. In the light of this fact asked Dr. Cole for more money.

Car not ready.

February 25 - Car not ready. Figured out financial report and added up receipts. Had $1726 accounted for, $80 in cash and $200 in the bank. I have spent $1400 of my own money that I have not kept receipts on.

Wrote to Krieger, family, etc. Got Pueblito pottery report from Kaplan.

February 26 - Car ready. It really sounds good. Got supplies for next trip out. Went with Champion to 3 sites out on the Boca Chica road. Got a few specimens. Two sites similar to the old Cayo culture of Anderson. Burials at back.

The third site was the burial of a modern Negro, probably from the Civil War.

Also talked to Lang and Louis Lollum and arranged trip on March 3rd to Anderson's site in Mexico. These two men were Anderson's guides into the Rio Grande delta region for 25 years.

Decided to try to see sites between Corpus Christi and Brownsville, to see how far Mexican influences extended into Cameron County. Also, in this way I could profitably wait for Lollums. Further, Glen Davis of Austin had recommended people who might know of stuff in this region.

June and I both sick. Went to the doctor about the dysentery we have.

February 27 - Drove to Raymondville. Much palabra but no sites or collectors. Ran into trouble as most of the coast is covered by King ranch.

Then went to Sorita. Less luck. Kennedy ranch is along the coast. Mr. Kennedy, a Fascist despot, informed me that there were no sites on his ranch. Talked for 3 hours. What can one do in the face of this??

Returned to Brownsville.

February 28 - Went to Kingsville. Went to Museum at Texas A and I. They were very nice but they have damn few specimens and these are not numbered.

Then attempted to trace down a collection of John. Ended up at a boy's Catholic School in Corpus Christi. The good Fathers I'm afraid have lost labels, etc. It is in a mess (the collections, i. e.). One pot, with location given, is in an interesting shape.

Returned to Kingsville and met J. O. Chandler. Good collector with a lot of stuff from Baffin Bay. Will examine this more thoroughly tomorrow.

March 1 - Went with young J. V. Chandler to Baffin Bay to their beach house. On the east side of the bay just west of their house I found one site and on the bay, just to the east on the
2 sites west side about 3 miles from his house found another. Much of the pottery is asphalt painted stuff, but two pieces are engraved. Returned to Brownsville.

March 2 - Looked for one of Anderson's sites next to Boca Chica. No luck.

Then went across the border. Got a new visa. A courtesy visa good for 120 days. It took me four hours to obtain it.

Got in touch with Louis Lallum. We leave tomorrow to see Anderson's sites.

Drove to Washington beach on the Mexican side asking about sites. No luck.

March 3 - Went to one of Anderson's old sites. This one was a hill on the east side of a lake just west of the Rancho Loma Atraversia.
Tm^c50 Found a few things. It was at this site that Anderson found one of his whole pots. At least we know the association now.

Tm^c51 This site was half way between Marahultos and Las Flores.

Tm^c52 Tngue Salado.

March 4 - Drove from Matamoras to San Fernando. Had a blowout. Asked about sites at ranch along highway. No luck.

March 5 - Drove from San Fernando to Rancho Teson. The day was uneventful except that I broke the battery box and spent four hours getting the car out of the mud just west of Rancho Santa Fe. Did not get to Los Adjuntos.

March 6 - Tm^c49 is situated directly north across the plain from Ranch Leson and is located just east of the first point on the
Tm^c49 opposite side. West to the site. Found 3 gorgets and parts of one flexed skeleton. It appears to have been a burial site, and not a camp site.

Later in the day returned to Rancho Lidios. The people were very helpful and took me to the ferry across to and halfway be-
Tm^c53 tween the ferry and Tm^c48 found a large site. This site, according to the river bank strata, is stratagraphically under Tm^c48.

Tomorrow for Consal. Incidentally, had to change two tires and fixed the battery box with an iron fence post and Scotch ingenuity.

March 7 - Drove from Las Lidios to Camisal. Walked in mud to island (1 mile) and then walked completely around the island.

Tm^c54 On the southern tip I found the remains of numerous burials. Took 1 piece of skull and two sherds as evidence.

Tm^c55 On the northeast section of the island along a shell reef I found a great deal of pottery, mostly modern. Mingled with it, however, was old pottery and flint chips.

Tm^c56 On the northern tip of the island in the top strata I found three or four projectile points which indicated a camp site.

Dense vegetation stopped further exploration. However, Tm^c56 was interesting only in the fact that half way down the west side of the island at the base of the highest bank was found a strata of shell and projectile points. This site or camp
Tm^c57 (Tm^c57) is stratigraphically older than Tm^c56. This is not as well indicated as it was in the case of Tm^c53 and Tm^c48 as the strata here is broken by erosion in place, but the soil type in the strata and the depth tend to substantiate the sequence.

After lunch we started back and at the beginning of the first line of trees inland from the mouth of the San Fernando River we drove southward 2 miles to the first hill-island-like struc-
Tm^c58 ture. On the northeast side of it we found a site. Rather an extensive camp as well as a flexed burial, poorly preserved.

Then we started home and a tragedy occurred. Blew out one tire. Fixed it and immediately had a flat. Fixed it and the first tire blew out again. Down to the last three tire patches. When we arrived at La Sidias we had a slow leak so I repaired it. The Coleman lamp wouldn't work as a part of it was broken, so by the light of a candle I repaired the tire and incidentally broke my glasses. The end of a perfect day. Have no tire patches left. Also, lost my best tire tool.

March 8 - Drove from Los Lidios to La Puerta. Arrived at La Puerta after getting stuck in the mud twice and completely blowing out one tire. Luckily I procured a tire patch from a fish truck but we are without a spare.

At La Puerta I was taken to La Puerta Rancho Viejo where I found
Tm^c59 some flint chips and two projectile points.

The rest of the population between here and Sainta Teresa were of no help. Asked at every ranch.

From Sainta Teresa to Matamoros I had one more flat and the rear spring became disengaged. Crossed the bridge with a large bunion on the front tire - ready to blow out any moment. One spring bad, no glasses and no spare. Five miles further on bad dirt road and the expedition would have returned to Chicago.

March 9 - Got car repaired and bought supplies. Totals for the week are:

1 - battery box broken
1 - spring broken
1 - pair of glasses broken
1 - Coleman lamp defunct
2 - blowouts (3 tires no good)
9 - instances of repairing tubes and changing tires
4 - times stuck in the mud (total hours in mud - 13)
10 - sites found
2 - nervous systems shot to hell.

However, Dr. Cole says that if we are careful the car will be alright in this country!

March 10 - Tried to go to Laguna Barril with Krieger. Spent 7 hours trying to find the place, no luck. Country wet.

March 11 - Rain and wind. No use starting. Wrote letters. Fixed notes and maps for La Pesca dig and bought supplies. Also paid income tax.

March 12 - Drove from Matamoros to Tangue Salado - via the following route. Customs house on San Fernando road to Garacoal, to Loma Granerso, to Unaquitas, Palo Blano to Tangue Salado. Interviewed people of all ranches, but found no sites.

At Tangue Salado found that a new born baby (nine days old) was dying. Fed her evaporated milk and tomorrow June will drive family and baby to Matamoros to a doctor.

March 13 - Spent the day on horseback. First of all I found stuff
Tm^c60 at the ranch of Juan Gonzalez which is about 2 kilo south of Tangue. The stuff was in the trees just south of the house.

Then went out to the dunes on the beach where sherds had been seen. However, wind had blown sand over the dunes and could find nothing.

Then circled the beach from the sea and about 100 yards west of
Tm^c61 the road to Auora, 4 kilo N.W. of Tangue Salado found a site and also the remains of fireplaces.

About $\frac{1}{4}$ mile west of that and directly N of Laguna Colorado we found another site. It is a small circular hill surrounded
Tm^c62 by low, damp grounds. One burial was seen, 2 fireplaces, 3 sherds, shell artifacts, etc. No flint.

Spent three more hours on horse and returned sore in the saddle.

March 14 - Back in the saddle again. Started out today N.E.
Tm^{c}63 of Tangue Salado. Followed out Resuca Chapatita and found a site just east of Laguna Lechoquias on the ocean.

Then switched eastward to Resaca La Bonito, followed it along for about 3 miles. Shells (sea) were to be intermittently seen along it. However, it was not until we were
Tm^{c}64 just south of Laguna La Toba that we encountered a flexed or bundle burial. In the near vicinity were artifacts and burned clay.

Then went just across the plain to an old ranch called Rosario. It was full of potsherds, glass, beads, etc. No site.

From here went out to the sea at Punta Bovril looking for one of Anderson's old sites - no success.

On the way home at a point called Puerto de los Mujers, I examined the area of a tip of the hill on the west side of the Puerto (east part of the hill). Here I found two flexed
Tm^{c}65 children's burials. Had no camera, therefore no pictures. Also found the strewn remains of another burial. There were other artifacts there also. This is the only site that I believe might produce anything by digging and even with digging probably damn little.

Then returned to ranch and found June and the car. Evidently the trip to the doctor saved the life of the kid. Waiting at the ranch were a couple of men. For the first time I encountered part of the unfortunate tradition started by Anderson. They had a mess of stuff they had picked up and wanted money for it. I then told them that I would pay for it only if I saw the place it came from. Therefore we went to the Rancho Rube and
Tm^{c}66 from there on foot to the arroyo 1 kilo to the west of the houses. There I did manage to find some shell beads (or buttons?). However, there still is some doubt in my mind whether all came from along this and only one part - or if there might be some stratigraphy. I then paid 3 pesos for the artifacts. I only hope Anderson has not spread this tradition too widely in this territory.

During these two days Antonio Lorenzo Junion was my guide.

March 15 - This was the day in the sand. For all future archaeologists let me warn them to stay out in their cars. It is bad business. With Antonio Lorenzo Senior as my guide we started off. First we got stuck getting on to the beach. 1¼ hours getting out. Then up along the beach, dodging the surf, the soft spots and the areas of shell to Portales. Left the car and went and looked for one of Anderson's best sites. Few signs of it. Also, 2 miles of walking in sand dunes and then mud is tough. Then down the beach to Boca San Jose to the mouth of the El Tigre River for another of Anderson's sites.

Absolutely no sign of it. Then decided to come home through Refugio and Anneahutos. However, after watching a fish truck get stuck decided it was worse than at Tangue Salado. Asked one of the local boys from Refugio about sites. He knew of none. Antonio confided (with glee) that Anderson had found none here.

Then back to Tangue Salado. At the beach we got stuck. Had to walk 3 miles to Tangue Salado for mules and by nine P.M. arrived at the Tangue Salado Ranch. 13 hours work, no sites, plenty of sand.

March 16 - Antonio and I made a tour of the Rancho north of Tangue Salado which was evidently in the Anderson tradition. At
Tm^{c}67 La Ravia we were given material which supposedly came from a Resaca, half way between the ranch and Loma Passario.

Continued our survey on up to Rancho San Pedro where we had lunch and then to one other ranch 5 kilos to the north and then we returned to Tangue Salado.

On the way to Matamoros a horseman at Rancho San Jose flagged up and had materials he said came from nearby Resaca and also
Tm^{c}68 pottery from Rosario. He wanted to sell these things. I bought them and left - disgusted with Anderson's methods.

Arrived in Brownsville at 7 P.M.

March 17 - wrote notes, did maps of La Pesca dig. Wrote letters. Had pleasant letter from Ekholm.

March 18 - Brought car across bridge to have the lock and speedometer fixed. Also, bought food. Talked over local ethnology with A. A. Champion. Wrote more letters and shipped off receipts.

March 19 - Took off to San Fernando. Inquired about Pedro de la Garza. Then on to Victoria and gave letter to Constantio Salinas for Pedro Lerme at Los Angles. Also, talked to a young tourist about going with me to explore the Sierra de Tamaulipas. In fact I talked with him over a bottle of rum until 4 a. m. Politically very compatable for the trip.

March 20 - Went from Victoria to San Fernando, bought gas and then went on to Loreto. Had very agreeable evening talking with the de la Garza brothers, but they know of no sites.

March 21 - First went to Morales and found an old man who knew all about habitations of Indians. Went out 1 kilo on road to Buenavista and looked at one cave - nothing in it. I then looked over the other habitations (?) and went to Rancho San Jose.

San Jose. There I talked to all the cowboys and went down to the Laguna Madre. They knew of no sites around there but suggested I try St. Rosa, a hill just south of Magazes and Rancho Pottros (4 kilos from St. Teresa).

Then back to Lareto and to La Florida. Received a lot of useless information there about the indians but no knowledge of sites. All inhabitants here are new in the region.

Spent the night at Rancho Caton.

March 22 - Received information about a site on an island near the fish camp at Caton. Wind too strong today - will go there tomorrow.

Then went to Lavaderos. Found an excellent guide - Roberto Vela. Went out on a cow trail to Laguna Madre to a bay called Laguna
Tm^c69 Leon. On the north side of the highest hill found a good site with little or no pottery, although our guide says that before the hurricane there was a lot.

Then circled the lake to a point coming in from the west which
Tm^c70 almost bisects the lake. Found another good site. It was eroding from a high bank.

Then waded across the channel separating the north Leon Lake from the south Leon Laguna to a penninsula which jutted in from the east. This place is called La Punta. Just north of La
Tm^c71 Punta I found another point on which was a large site, an extended burial (?), and many sherds. The occupation was indicated by a 4 inch layer of shell found about 2 feet below the present surface. If this site was not so inaccessable and labor more plentiful I would dig it.

Then went along the south side of Leon Laguna to the point where the Arroyo Lavagones enters it. On the north side of the arroyo
Tm^c72 was another camp site with much pottery (before the hurricane there was more). Took a photograph of it.

Rough map of area:

Then returned to Caton. The next ranch is La Barra and I visited it.

March 23 - Went out with the fishermen to see a site. I walked 8 kilos to the site, 2 kilos of which was in water to my waist. Found site Tm^c73 and down the beach from it Tm^c74.

Tm^c73 Both are good Huasteca camps and should be dug. The giving of exact directions (location?) is impossible, so I hope the

Tm^c74 following map will suffice:

Then returned to Maguazes to look for a reported site and couldn't find it. Went to Tangue Salado and Santa Rosa.

Tm^c75 Just east of Santa Rosa on the bluffs overlooking the arroyo on the north bank I found an extensive site.

Then attempted to get closer to the coast and Corrigo, but the road was too bad.

Back to San Fernando for the night.

March 24 - From San Fernando to Saint Teresa. Talked about sites in Saint Teresa. Received no information.

Then out to Rancho La Postras. On the bay just north and
Tm^c76 east of the house on the Ranch found an extensive area of burned clay but few artifacts.

Then further on to the club house which was situated on the bay called Recondia de Positras. Found here the remains
Tm^c77 of burials, and a few sherds. I was also informed that Anderson has visited this site - probably for

March 25 - To Brownsville to look for the letter with my money.

March 26 - No letter, no money.

March 27 - No letter, no money. June left for Chicago so no wife.

March 28 - No letter, no money. Finally, after the last mail I leave for Tampico.

March 29 - Got Roberto Pavon ready and then to victoria.

March 30 - Looked for a ride to Los Angles - no luck.

March 31 - Finally got a ride for 60 pesos. Drove to Cosas for the night.

April 1 - Got to Los Angles - tomorrow to work. What a ride - in a 1932 Ford coupe. Planned campaign with Pedro, Roberto and Jose. It ought to be all right.

April 2 - Left Los Angles for Las Tanques which is in between Arroyos Escondon and Casquella. On this ridge I found a number of
Tm^c78 ruins including a round house with entrances and 3 other round houses with steps leading up. Also found a caracol.

See next page for rough map.

Before lunch time, since Roberto and I had not seen the surface pottery we cleaned off the leaves from one house. On its surface found a fair amoung of pottery. This feature is Tm^c78 -
Tm^c78 house 1.
house 1

Then later, with all the crew I went to house 2 and since it was clear of trees on top I dug it in order to solve the problem as to whether these structures were houses with stone walls or platforms with the houses built on top. The latter turned
house 2 out to be the proper solution. On the following page are drawings. Also, I took 2 photographs.

April 3 - Returned to house 1 in the morning since it had stairs (2 steps on the side) decided to dig it to see if there were 2
house 1 floors. We sunk a 10 foot square, 1 foot at the top - then continued down 3 feet in 2 five foot squares. The bottom $2\frac{1}{2}$ feet were only rocks. There was no other floor. I took 3 photographs of this - the light was bad.

I did, however, clean off the steps of this house. There is no doubt that these round structures are platforms. The material from the 2 houses looks the same, but in some respects differs from Pueblito materials.

In the afternoon spent 6 hours walking and looking for Mission de Las Indias. Did not find it. 10 miles walking in rough country and no luck. However, I did manage to fall down on one of the cliffs and cracked my glasses. I greatly suspect that my guide Pedro, more than getting lost (as he said he had) just plain didn't care to walk further.

April 4 - Today I went to the Cuidad on the hill just north of Canyon de Salto. The directions are as follows:

Tm^r79 Here we found a large ruin - Tm^r79 - after 4 hours of hard walking. Then we dug 2 five foot squares, 3 levels down. See the following map of the region:

With the excavation of this house I believe that we have found that these platforms were for habitations and not temples. Flint, pottery, parts of manos and metates, wattle and daub were found in it. The superstructure was composed of wood as evidenced by charcoal. Around the walls was wattle and daub. Further, it is very likely that the top level of this excavation of this house was refuse of its inhabitants, while levels 2 and 3 - which consisted of refuse and chunks of caliche - was filler taken from the surrounding region and used to build up the center to the height of the walls.

Map of region mentioned on previous page:

Tm^r79 Here deposits went down 2 feet though only the top 3 feet produced much which was quite different from Tm^r78. Tm^r79 is as large, or larger than Pueblito. Incidently, at noon we killed a coral snake 3½ feet long.

Then back 10 kilos (Pedro says 8 kilos) to camp. In Canyon Casqullas there were 4 houses and a motary wall or fortification
Tm^r80 wall. Picked up a few sherds - not very important, but the square wall and smaller round house warrant recognition.

April 5 - Returned to Los Angles, bathed and got rid of insects.

April 6 - Washed pottery from Tm^c78 - both houses. Prepared for the trip to Canyon Diablo.

April 7 - Walked from Los Angles to Canyon Diablo (no money for horses). Made our camp about 2 kilo north of the arroyo entering the Diablo from the direction of Los Angles.
Tm^c81 This should be situated directly below Pueblito. We then went northward (?) in the Canyon Diablo to a cave, a rock shelter. A group of 3-4 parallel lines about 4 inches along were painted on the walls in red paint. Pedro's name, with dates 1945 and 1927 may also be seen on the wall.

The floor was covered with small rocks and numerous flint chips. It was then decided to test it for depth with a 4 foot square hole. It proved very interesting. In the future this cave should be dug. A photograph of the cave was also taken. The 4 foot hole was stopped at a depth of 2 feet to prevent injury to the deposits as our work was necessarily hurried. The stratigraphy was the following: the top 3 inches had flint chips and part of two projectile points; next was a layer of ash two inches thick. The next 6 inches was composed of red (possibly burned) earth containing projectile points of a different type (i.e.different at this layer from those found at the upper level). The next foot had refuse and many large rocks of the same type of materials as in the 6 inches above. At the bottom of this was a charcoal floor. Left it for future investigators.

On returning to camp found that a tiger had stalked us and also shot a deer. Water situation bad. Walked about 33 kilo today. Travel in arroyo bottoms very hard on the feet.

For location of cave and sketch of it see the map on the following page. (now in back of book).

Catelogue Tm^c81

Tm^c81	-	surface
Tm^c81-1	-	top 3 inches above the ash layer
-2	-	ash layer, 1 inch
-3	-	6 inch level
-4	-	1 foot level

April 8 - This morning went southward down the Diablo. On the opposite side of the arroyo from the place where the road for Pueblito leaves the Canyon we found a large flat terrace. On
Tm^c83 this terrace were found numerous sherds, flint chips and the remains of one round house. This is probably of the same culture as is Pueblito and may represent the house of an (early) farmer and his field.

Directly north of this field is a high cliff and another shelter. This contained numerous flint chips, some points also and it has
Tm^c82 a small surface of dirt and refuse. Might be worth further investigation. Had been visited by the explorers club of Victoria.

Then went 4 kilo down the Canyon Diablo to another cave. The depth of deposits here was very small though flint was quite
Tm^c84 common. There were wall paintings which I photographed. Marked No. 1 by Explorer's Club of Victoria.

Then continued down the Canyon Diablo to another cave. It, too,
Tm^c85 had wall paintings. Incidentally, I photographed one wall painting of a man on a horse. Found a few flint chips ~~horse~~ sherds. Probably represents cave of Pasitas (as does stuff in the top of Cave 81). This is marked Cave No. 3 by Explorer's Club of Victoria. Here there was also a wall painting of a man with a bow and arrow.

Returned to camp and went to the field across the Canyon from the camp. Walked all over it - no luck.

While cooking dinner my glasses cracked. Water situation is bad. Feet hurt.

April 9 - Went from Diablo to Pueblito. Surface collected most of the day and made a map of the site. Water very low.

Pueblito

Fortunately for the mapping much of the site has had the grass burned off. Of course, one gets as black as the ace of spades. Late that night Jose arrived with more supplies. Unfortunately, he only half read Pedro's note about food - therefore our supplies in the future will be low.

The pottery of Pueblito is in many ways different from that previously found and the finding of numerous mold-made figurines bears this out.

April 10 - Started out in the morning for the ruins named Norasjitas. This site is supposedly north of Pueblito. Unfortunately Pedro ot lost. 5 hours walking, no site - strike 2 for Pedro.

Later came back and put three more test pits into Pueblito. It is now possible to see 9 test pits in this site. At no point is the refuse deeper than 1½ feet and in most places it is less than 1 foot. However, in spite of this, I feel that there is a possibility of stratigraphy (possibly horizontal stratigraphy) at this site.

April 11 - Went from Pueblito to Eslabones. Got my first bath of the trip. Pedro's foot is in a very bad condition. If it does not get better the trip is ended. Late at night it started to rain so didn't get too much sleep. Ended up by moving everything into a cave.

We walked this 20 kilos in about 6 hours and the last 17 kilos were in river gravel. My shoes are wearing through - tough hiking.

April 12 - Well, it rained like hell all day. Nothing to do but sit in the cave and wait. Two of Pedro's friends dropped in and they will be guides in the future. They remained all day and, of course, expected some of our precious rations of food. Washed all of the Pueblito soot off my clothes. This primitive washing is not woman's work.

April 13 - Guests still with us and when we were talking about pay Roberto decided to help me out and offered the comment that in the past besides pay for guides we gave them food. My pal??

Then up to the ruin on the top of Cerro de Guadelupe. It
Tm^{r}86 is about 4 kilo (up) from camp. The main pyramid is about 30 feet high and there is a lake just east of it. Surrounding the lake and south of the pyramid are numerous houses. Surface findings are extremely scarce. This is probably due to the alluvium covering them.

In the afternoon I noticed a cut made by a rancher for water. Excavated a small part of this cut and found sherds and floors extending to about 4½ feet in depth. I immediately staked out the area into 3 five foot squares and photographed it. Then we started digging. Got the humus off 2 squares and then it started to rain buckets full. After an hour of waiting we retreated to camp - soaking wet, cold and dirty. Arrived there about 4 o'clock. Running down 4 kilos of wet mountain is a damn dangerous sport. Obviously I skinned a knee when I fell.

Boy, do I miss my wife out in this lonely desolate country.

April 14 - Today the real excavation begins. I hope I have strat-
Tm^{c}86 igraphy. The three trenches are numbered 0, 5 and 10 east to west. Level 1 in all trenches is humus and plowed earth. Level 2 appears to be plowed earth furrowed by the plow and also con-
Zone A tains a small amount of refuse. This is referred to as Zone A. About 1 foot from the surface is a concentration of sherds,
Floor 1 burned clay - etc. This is Floor 1 and appears to abound in cultural materials. Underneath this is a somewhat less large concentration of refuse culminating in a floor at about a depth
Zone B of 2 feet. The area above the floor is Zone B and the floor is
Floor 2 Floor 2. In most cases both Floor 2 and Zone B were removed together. Directly under floor 2 is a semi-sterile area which I
Zone C am calling Zone C. In square 0 it is about 1½ feet thick, while in the other squares it is bisected by another floor. The exact definition of this area will be investigated tomorrow.

All levels are 6 inch levels except when otherwise noted in the catelogue.

One difference I noted in this house is that it appears to have the masonry built on what seems to have been a small mound of dirt. This ought to be interesting to dig.

April 15 - In squares 5 and 10 another floor was noted which seems
Tm^{c}86 to connect with floor 2 along the 5 axis. This floor I am calling
Floor 3 Floor 3 and it is separated from Floor 2 in squares 5 and 10 by
Zone C Zone C. Zone C does not appear in Square 0. It was about a 1 foot strata of yellowish-brown soil with little or no cultural material in it. I rather believe it is an alluvium. Below Zone
Zone D D was another floor - 4. It was not too distinct but nevertheless
Floor 4 apparent. Materials were found, though were not numerous.
Zone E Below it was a thin layer of reddish earth separating this from
Floor 5 floor 5. This is Zone E.

In most cases the excavation materials of both Floor 5 and Zone E materials were lumped together and are called (compare to) level 8. Below this floor was about 6 inches more of refuse. In squares 0 and 5 at level 9 we definitely encountered Basic Soil. This lowest cultural strata, containing little or
Zone F no materials, is Zone F. It is possible, however, that in Square 10 another strata may be found. I dug down a little bit into the so-called Basic Soil here and though I found no sherds I was not entirely satisfied with calling this basic soil for it may also be a cultural strata.

Pedro's foot is still in bad shape. Spent a lot of the day photographing the big pyramid, houses and final cross-section.

At present I believe that this ruin is somewhat older than those to the east. The houses are usually without steps; figurines are not found and I believe some of the molcajete feet are solid, cone-like feet which are longer than the types previously found.

Simon and Desiderio Hernandez, our two guides from Eslabones told me about another ruin just northwest of here (about 20 kilometers) called Trijones. Don't believe I'll be able to visit it.

Tm^{c}87 Incidentally, on plane below Refugio is a large non-pottery site.

April 16 - Today we went to Cerro Refugio. Getting to the ruin itself meant about 7 kilometers of walking, 4 of which were up hill. On the way up we saw 12 deer and 4 turkeys. Once on top we saw that the third house had two casquella - one inverted on
Tm^{c}88 the other set into the floor. Also, on top of the inverted casquella was the neck of an olla. Cleaned it off here and photographed them. Finally, we had just barely gotten them out when it started to rain. While excavating I thought that there probably would be a burial inside. However, there was not. The dirt inside the casquella was taken out with the greatest possible care. First it was scraped with a trowel until handfuls of dirt were loose. Then this dirt was sifted and all that was left over (in the sieve) was examined.

As was said above the excavation of the ruin was terminated by more rain. We stood under a large rock for 4 hours while it poured and blew. Finally went back to camp - soaked the dirty dishes and wet clothes. Pedro had slept all day, having neither washed or moved our things when it rained. Food extremely low.

April 17 - Back to Cerro Refugio. Looked over the whole ruin, photographed it and made a sketch of the central part. Found Some more sherds. Much of the top soil of this ruin has probably been washed away. One noticeable difference in this ruin is
Tm^{c}88 that houses on round platforms are constructed of boulders and not slabs.

Also, there are no stairs apparent. Started a couple of holes, but quit as the deposits were too shallow to warrant excavation. Projectile points here are large and triangular, similar to the non-pottery culture north of Soto la Marina. On the way down the mountain, shot a deer, 200 metres, one shot - in the head. Fresh meat tonight along with honey. What a feast! Took photograph of deer and cave.

April 18 - Last night and this morning talked over the possibility of going on to La Piedra, San Jose de la Rasios, and Lavadores. It is out as I don't have enough burros and probably can't buy food as the rains have stopped the comerciantes and most important, I don't believe Pedro could do it. Will try it later in my car.

After this decision started off for Los Angles. Pedro very slow. At the small grassy plain where the trail for Pueblito leaves the
Tm^{c}89 arroyo Yacata I found an open site without pottery, a lot of flint chips and 2 projectile points.

Then continued on the trail to Pueblito. At the hill where the trail turns off for Tripones found another ruin. The humus is
Tm^{c}90 pretty well eroded off but about 12 round houses of slate can be seen. It is just north of the trail and along the route to Tripones. It is also about 4 kilos east of Pueblita. The following map may help:

For the night slept in the Canyon Diablo. Approximately 30 kilometers walking today - 20 of it in loose river gravel. Shoes worn out.

April 19 - Arrived in Los Angles about 2 P.M. Pretty tired. More rain late in the afternoon. Paid everybody. 10 kilometers walking. Bought new shoes. Organized archaeological materials.

April 20 - Walked to Magueze to find out about a ride to Villa Casas. Not possible - too much cargo already. The other comerciante, Raphael, broke a part of his truck and probably won't return for a week. Therefore, spent the rest of the morning hiring burros, packers and packing archaeological and other equipment to go to Casas. Will walk the remaining 45 kilos tomorrow since the trip is over.

Decided to write my impressions about the trip at this point. The earliest materials were found in Cave 81. These should be compared with some of the earliest materials in the Valley of Mexico, Arizona, Texas and New Mexico. The next oldest materials I believe come from the lower levels of Guadalupe 87 and Refugio 88. The second period in the Pueblito culture is composed of upper levels of Guadalupe, House I and II of Tm^c78 and the lower levels of Tm^c79, and probably Pueblito. Later than this is the culture of the upper levels of Tm^c81.

This is the sequence:	Upper Levels Tm^c81
Huasteca V	III Pueblito
Huasteca IV	III Pueblito
Huasteca III	II Pueblito
Huasteca II	I Pueblito
	Tm^c89
	Tm^c81 lower level

A summary of sites found on this trip are the following:

Ruins of Pueblito Culture
- Tm^c6
- Tm^c78
- Tm^c79
- Tm^c80
- Tm^c82
- Tm^c87
- Tm^c88
- Tm^c90

Late non-pottery cave dwellers
- Tm^c81 (upper levels)
- Tm^c83
- Tm^c84
- Tm^c85
- Tm^c86

Early non-pottery culture
- Tm^c81 (lower levels)

Coahuitecan culture
- Tm^c89

The reason for my sequence and correlations of Pueblito culture are the following:

Late Period: Pueblito and Tm^{c}79 upper levels have period 4 and 5 figurines, Huastaca B/W pottery and house with stairs.

Middle Period: Lack of the above characteristics. Stratigraphically under the above.

Early Period: Dominance of Red Wares. Arms of figurines are definitely not mold-made. Molcajetes feet of the long cone variety. Flat round buttons, not buttons.

Well, just heard a truck or an aeroplane. It's a truck!

Tomorrow we leave for Villa Cases in the truck.

April 21 - Drove to Villa Casas in the truck. Drove my car to Victoria. Talked with people about getting to San Jose de la Rusios. It is impossible with the rains. Therefore, will go and dig Caton.

April 22 - Drove to Jiminez and to the Arroyo Cocheros. It is full of water- impossible to cross. Caton trip out. Turned back to Victoria, then to Monterry and Resposa.

April 23 - Arrived at Matamoros. The generator in the car broke down. Arranged for a passport for Roberto.

April 24 - Got Roberto a passport. Tomorrow will go to Austin to work up Anderson's materials. The expedition is completed.

Tm^r78

Cat. No.	Square	Level	House	No. Sherds
1	10R1	2 -6"	2	32
2	10R1	1 -6"	2	54
3	0R1	1 -6"	outside 2	17
4	0R1	2 -6"	outside 2	4
5	5R1	1 -6"	2	22
6	5R1	2 -6"	2	33
7	1(10')	3(1' in rocks)	1	87
8	1(10')	2(6" in center)	1	86
9	1(10')	1(surface and top) (3" in center)	1	156
10	1(N.5')	2(3")	1	

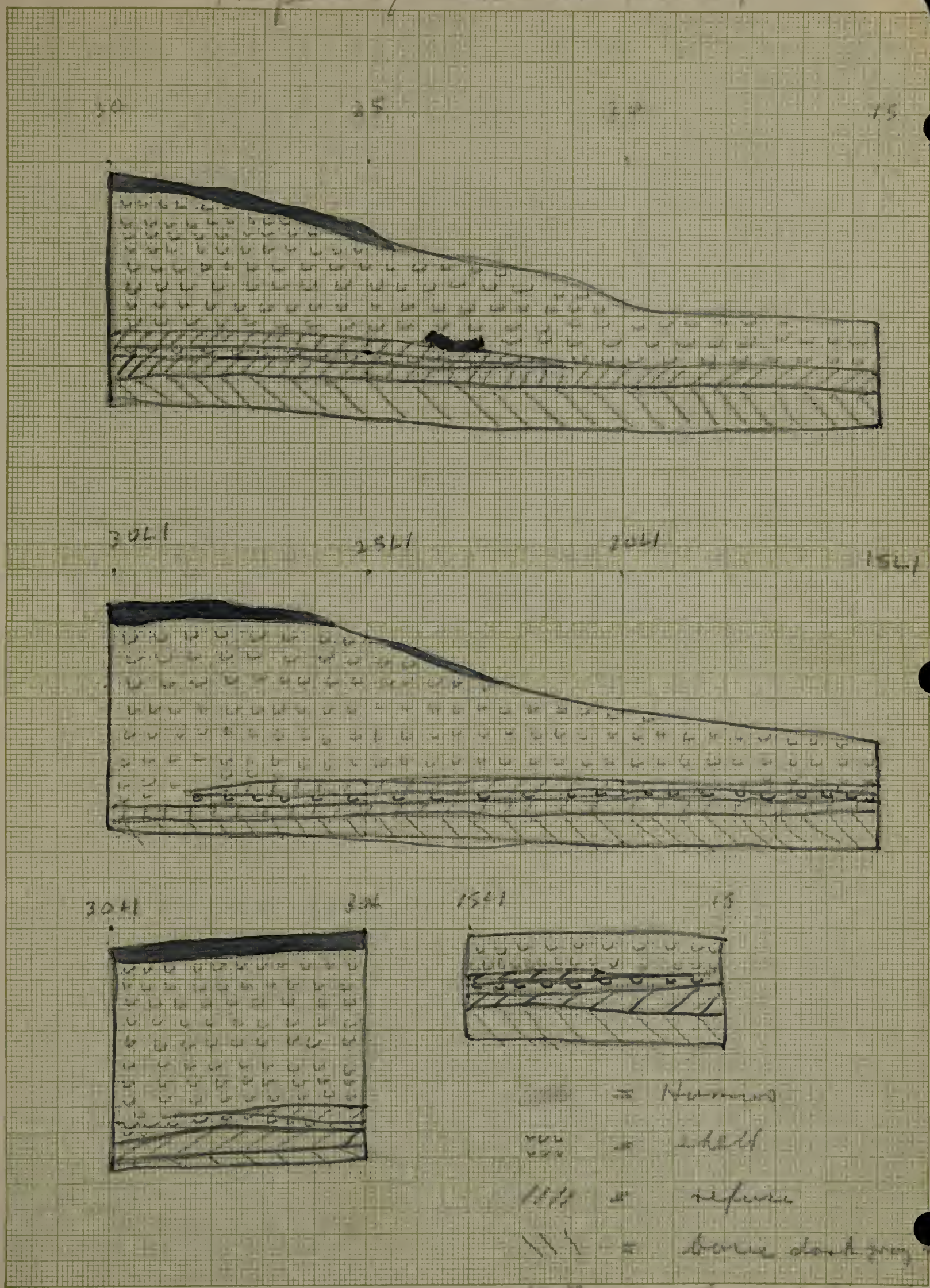
Tm^r79

1	2	3(1 foot)	1	135
2	2	2(6 inches)	1	188
3	2	1(6 inches)	1	
4	1	1(6 inches) called house 3, but is 1		
5	1	2(6 inches)	1	
6	1	3(6 inches)	1	
7	1	4(6 inches)	1	

Tm^c86

			Strata	Number
1	0	1	Humus	A
2	0	2	"and refuse	
3	5	1 and 2	" " "	
4	10	1 and 2	" " "	
5	0	3(top 3")	Floor 1	
6	5	3(top 3")	Floor 1	
7	10	3	Floor 1 and a little below	
8	0	3½	below Floor 1	
9	0	4	Floor 2	
10	5	3½ and 4	Zone B and Floor 2	
11	10	4	" " " " "	
12	0	5	Zone C	
13	5	5	Zone C and Floor 3	
14	10	5	" " " " "	
15	0	6	Zone D	
16				
17	10	6	Zone D and Floor 4	
18	0	7 and 8	Floor 4 and 5	
19	5	7 and 8	Floor 4 and 5	
20	10	7 and 8	Floor 4 and 5	

Profiles of hatch at Tm 034



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December 30

Arrived in Los Angles. I'm staying with the Presidente Jose. Talked with his son who lived alone in the mountains. He is a good man, Pedro. He will take me on a 2 day trip to Pueblito. He told me about a cave with painting in the Canyon Diablo and another large ruin north of Pueblito. I will ask about this also. June is sick and not so good. Unfortunately she will have to stay in Los Angles. Arranged for a ride back Thursday.

December 31

Started out on horseback about 9 o'clock. It was a rough trip and by the time I had arrived at Pueblito I was full of little ticks. We didn't arrive until 4 o'clock in the afternoon. Burnt some of the grass around the ruin and looked it over. Drew a rough sketch of it to be found following this. The houses certainly are round and there are some definite pyramids which are also round. The whole place was definitely constructed for defense. Slept on the ground.

Pueblito

Tm^P6

January 1, 1946

Spent the morning walking over all of the ruin. Pedro knows of another further north which he says is 5 times as big. Also, there is one on the Guadalupe Mountain near Estaborres. After walking around the whole ruin I dug a five foot square test pit. The refuse deposit was about 1.5 feet deep. In my notes the material will be numbered: 6 - site 6(Tm^P6)
1 test 1
1,2,3,4 - depth of level
1 - surface
2 - humus. 0-6 inches
3 - 6 inches to 1 foot
4 - 1 -1.5 feet

Pueblita Tm^P6
Test 1

The test pit revealed only one feature. A layer of flat rock separating level 3 from level 4.

Loaded the burros down and started back to Los Angles. Night fell before we arrived. It was a cold, hard, bug-ridden ride and I was tired.

January 2

Washed clothes and bathed, trying to rid myself of bugs. I am a mass of bites. Also, washed and numbered pottery. Attempted to analyse it but did not have time and no privacy as I was surrounded by kids all the time. On a bad guess I would say it roughly correlated with Huasteca 4(or 5). Other sherds which I have seen from this area, but not from Pueblita, lead me to believe that this stuff may be ancestral to Tancol and may be the source of all Brownsville stuff. It definitely is the source of the pottery around the arroyo Jiminez.

January 3

Rode back on a truck to Victoria with chickens, pigs, people, children, furniture, fruit and merchandise. (and, of course, bugs.)

January 4

? Met Senor Kennedy of Chamal and drove to Brownsville. Nothing of interest except a dust storm.

January 5

Tried to get another part for car, not to be had in Brownsville. Tried to find out about visa - no success. Went and saw Mr. Phillen at Buena Vista. Got a letter to his foreman and will explore in his area later. He could tell me nothing about ruins in that area. No success again. Tried typing letters. Typewriter broke. Fixed it. Decided I had butted my head against enough walls so went to the movies and then to bed.

January 6

Went to visit Maxie Schamp and tried unsuccessfully to get in touch with George Martin of San Antonio, who has dug around Corpus Cristi and Falfliries. Had more motor trouble: one flat and a short circuit in the generator.

January 7

Cleaned car. Tried to see official, didn't see him until the afternoon. Repaired 3 tubes. Wrote Dr. Cole a report. Figured up budget. This is nonsense in Mexico where one has to pay for pushing car, guarding car, etc. Gave the car a grease job and repaired 3 bad tubes. Asked around about buying a truck because using this car is ruining it and sure is slowing things up.

January 8

Took a hell of a while getting thru customs and then went on to Abasolo. Learned from a fellow at San Fernando that there are large fossil bones of animals found in the river bank 21 kilo south of San Fernando at Rancho Marias and that I should ask Rapheal Rables about them. He also informed me that arrowpoints were found nearby. Stopped on the way down but Raphael Wasn't home and the others, though they knew of the bones did not know their location. A man names Roy told me about it.

Fossil bones of large animal on bank of Rio Comebros

Got three flats on the way to Abasolo. Nothing like changing tires in the middle of the night. With a truck it sure would be faster.

January 9

Spent morning repairing tubes and changing position of tires. Then took off for Palo Alto and Soto La Marina. Stopped and looked at $Tm^{c}2$. The deposits are only about 1 foot deep. Stopped again at Arroyo Jiminez. This time I walked about a mile north of the road in the arroyo and found one site. It was about 100 yards north of the road on top of the east bank. Depth of deposit - 6 inches.

$Tm^{c}2$

$Tm^{c}7$

About 300 yards north of the road just around the bend of the river I found another site. Very small, but it produced one piece of pottery. This is where the arroyo turned westward from its usual N-S direction and was at the top of the northeast bank. Depth about 4 inches on the bank.

$Tm^{c}8$

On the top of the east bank just across the Arroyo Jiminez on both sides of the road June noticed a mass of shell. The site had much flint on it but few artifacts. Depth: about 1 foot or less.

$Tm^{c}9$

At the next big arroyo(Arroyo Cobra) after Arroyo Jiminez on the road to Soto La Marina the next site was found. It is a large site and on the west bank of the Arroyo. The deposits are about 2-3 feet thick. This looks like a good site but would take plenty of digging.

$Tm^{c}10$

Arrived at Soto la Marina at night.

January 10

Spent the morning talking to officials, etc. Then about 11 o'clock took a ride up along the bank of the river. I went north and west along the bank
Tm^{c}11 from the town on the north bank. Small deposits of shell and flint showed up here and there, but the first important one was at Rancho San Jose about 1.5 kilometers from town and which now has a house over part of it.

About 2 kilo about town on the northeast bank of the river was another site.
Tm^{c}12 This was quite productive and is large. Some sherds on it, but can't tell if they are modern or not. This is on the Old Rancho Las Angles.

Then I returned from Tm^{c}12 to Tm^{c}11, walking along the northeast bank of the river.

Tm^{c}13 About 600 yards north of Rancho San Jose found one site with what looks like
Tm^{c}14 a foot of deposition, and about 300 yards north of the Rancho was another site.

January 11

Started out to see another site and the inadequacy of this car in this country showed up. First I got stuck in part of the river where the fording was shallow. This meant spending an hour in the water and costing 10 pesos. Then, later in the day I got stuck in the gravel in a dry arroyo bed. It took up 5 hours to get out and in the end was necessary to have horses pull us out. 4 horses, 2 men, 20 pesos. Then I paid out guide 10 pesos. Never did get to the site as 7 hours were wasted getting out of places a truck never would get stuck in, 1 hour repairing fan belt of car and 1 hour driving. There sure is damn little profit running this car, scratching its finish, flooding its motor with water, ruining its tires and shaking its body to pieces when the University of Chicago could damn well afford a cheap second hand truck that would give us none of this trouble.

Took a picture of a stone mortar found at Pueblita by Antonio Balandiano of Soto la Marina

During the evening Raul Riestra called on me and asked to take his dying mother to Palo Alto where he could get a ride to Victoria. The car, of course, wouldn't work. May take him tomorrow.

January 12

Slight mist. Tried to get out of here as weather report said 3 days rain. Got 10 kilo. Stuck in mud for 3 hours. Finally returned to Soto la Morina tired and dirty. I wish I had a truck.

January 13

Read most of the day as it rained. Late in the afternoon went out to Tm^{c}12 and found another site directly behind Tm^{c}14. This I have called Tm^{c}15.
Tm^{c}15 It is rich in artifacts. It is about 150 meters from the Rio. Then I moved north of Rancho Las Angles about 200 yards and found a site in the
Tm^{c}16 bank of the river, Tm^{c}16. The deposits are about 2 feet under the present surface. Continued northward about 250 yards north of old at Rancho
Tm^{c}17 Las Angles and found another small site. This had a small piece of Huasteca black on white pottery on it. This site I called Tm^{c}17. Dug around a pit looking for the rest of the pot and the depth of the deposit. Depth: 6 inches, and I didn't find other stuff. Then another 50 yards
Tm^{c}18 along found another small site on the bank of the river, Tm^{c}18, very small.

After this I walked about 2 kilo northward along the bank and found nothing. This means I have covered the bank north and west of Soto la Marina for about 5 miles.

On the way back to town about 1 kilo from the edge of town a large arroyo cut back from the river to the road. This went about 150 meters north of
Tm^{c}19 the corduroy road(made of logs). This was a deposit of shell that extended down about 2 feet. Only 1 artifact was found. In spite of the lack of artifacts I consider this to be Tm^{c}19.

Stuck in the mud again in the car.

January 14

Spent the morning cleaning mud off the car and cleaning out the feed line which had become clogged. Also, spent time getting the car started. Finally by noon this poor car was ready to run.

I then went east of town about 4 kilo along the river and at the Rancho in a plowed field along the edge of the bank found a large site
Tm^{c}20 covering much territory and called Tm^{c}20. The President of Soto la Marina went with me. This site is about 4 kilo from town and might be worth digging I then continued eastward along the bank til we were about 5 kilo from Soto la Marina. At a place called La Pita(a river ford) I found a site along
Tm^{c}21 the trail about 150 meters from the river and about 75 meters from the top of the bank northward. It contained much flint, a few artifacts, practically no shell. All the previous sites have contained much shell.

During the evening I got a letter off to someone in Aquita(near Pesca). It would appear there there are some real ruins there. I have one report that there is a pyramid(from Castengo of Victoria) and from the inhabitants I hear there there are houses of the Indians. It sure is intriguing. The man to ask for is Abelardo Arrellono, and Jose Beyriell, and it is best to look on the ranches La Juita, La Aquita and Debsodero, and particularly the rancho El Toro.

January 15

Cold and wet, rained most of the day. After a couple of futile attempts at writing notes and finding that the coldness and dampness made me acutely uncomfortable I retired to my bed.

January 16

A little rain in the morning but cleared at noon. Decided to leave tomorrow. Spent the afternoon changing oil, changing water, and greasing the car. It ought to run tomorrow and with a day of sun the road ought to be possible.

January 17

Started out about 10 o'clock when the roads were dry enough to use. Got 14 kilometers and the car stopped. Tinkered with for an hour, cleaned distributor etc. Finally walked back to Soto la Morina. In the meantime a truck coming from Jiminez stopped, fixed the car and June picked me up at Soto la Morina. Then turned around and drove to Palo Alto and started for Buena Vista. However, stopped shortly as it was dark and the road too sinuous to continue.

January 18

Found a rather extensive deposit of shell on the banks of the Arroyo Jiminez where it is crossed by the road from Palo Alto to Buenavista. Actually
Tm^{c}22 only a few artifacts were found though intermingled with the shell was a great deal of flint. I dug a small test trench on the bank and the depth of the deposits appear to be about 2 feet.

Then continued on to Buenavista and at 1 o'clock ate at the rancho house of Senor Phillen. After lunch the boss Manuel and I carried on our inquisition with cowboys, asking about sites on the ranch. None knew about any. It seems quite likely as no large arroyos bisect this ranch.

After leaving Buenavista the car began acting up. It sputtered and coughed. Unfortunately the road had some impossible(for our low car) parts in it on the short road to Verde, so we had to retreat and go by way of Tancumba. Just outside of Tancumba the car died completely. I examined the motor and other parts and was unable to find the difficulty. Slept 2 kilo south of Tancumba.

January 19

Walked from Tancumba to Verde, 12 kilometers, then took a horse, 15 kilo to Chamal. Mr. Kennedy sent a truck out from Chamal to pick up our equipment. June and I try to start the car - no success.

January 20

Today was Sunday and no mechanics available so the car remained in Tancumba. However, Mr. Kennedy was kind enough to let me use his car to examine the bank of the arroyo near his house where fossils had been found. The deposit contained mainly marine animals and I'm afraid is either Miocene or Pliocene in age. No remains of men.

Then later went to San Patricio where projectile points had been found. The site is on the arroyo next to a windmill and water tank, and part of Kennedy's
Tm^{c}23 ranch. Numerous flints were found and 2 projectile points. Most interesting of all was the almost complete absence of shell. The site from erosion cuts appears to have 6 inches or less in depth and I suspect has been much eroded.

On the way back Kennedy's car broke down but with the aid of a little mechanics, manpower and horsepower we got back to Chamal.

January 21

It was very cold and I have caught a bad cold. Was not able to go to my car as Kennedy's car needed repairs.

January 22

Went out to my car, messed around and tried to get it started - no success. Finally took out fuel pump and found that the diaphragm was broken. Took diaphragm back as well as the fuel pump to Chamal for repairs.

While in Tancumba received information concerning sites on Salido(.5 kilo north of Tancumba) and at Piniuta(2 kilo west of Tancumba) from Senor Dorihero Revino.

In the evening wrote up notes and propared to analyze thoroughly materials thus far found.

January 23

Returned to car, got it working after 5 hours. Took it back to Chamal, fixed brakes, pump, removed filter, greased car, put distilled water in the battery (all this with Pablo's help). Did some analysis of Pueblo ceramics. Cold as usual.

January 24 - Finished analysis of Peublito pottery. The report on this pottery to be found on the following page. Went to San Antonio and got a few projectile points. Numbered the site wrong.

Tm^c26 On the north bank of the arroyo just east of San Antonio. This is a small site with little shell and much flint.

January 25 - Packed the car, filled it with gas, packed the ceramics from Pueblito and also finished the trade~~s~~ sherd study of the Kinkaid site. Tomorrow I leave.

January 26 - Took a horse along the arroyo from Chamal to Cataño. No site found. Left Chamal for La Aquita.
Tm^c24 At Cariso around the house I found a site. It has been pretty well trampled by cattle.

Down the road along the arroyo bank and on the south
Tm^c25 side of the road found a rather large site. The deposits here extend down 2 feet.

Went to La Aquita. The road was lousy. The man who owned the horses was not at home. I will return tomorrow. Went to San Anrigue for the night.

January 27 - Went to La Aquita - no site. Saw stuff from Mission on El Tora. This is very late Colonial type materials - circa 1800 to 1850. Received news of a San Antonio site. Continued on to La Quitas. From there
Tm^c27 I went to Viego Marina. It is the original town of Soto la Marina, overgrown with jungle. However, it must have been quite a town. Amid the Spanish ruins were flint chips, etc. My guide said that he believed that this town was an Indian site before the Spanish settled here. It is possible and I will check with Saldivar or Reyes.

After crawling around in the bush for three hours returned toward San ~~Anrigue~~ Enrique. At the dry lake just east of San Enrique I stopped and looked along its bank. Shell deposits and chips of flint may be found all along the
Tm^c28 north bank. However, I only found projectile points at one place. This was above the highest stone bank on the N.N.W. side of the lake. I gave this portion the site number Tm^c28

Returned to San Enrique. The local school teacher will visit tomorrow at 10:30 and the people here believe he knows more sites. Saldivar is at Soto la Marina on his vacation and may come here.

January 28 - Waited for the professor. One of the Brevanisto tiger hunt party flew in my mail. Blew a tire. Decided to try to get out and get another tire quickly. Found a
Tm^c29 site 200 feet south of the most southwestward house in Repello. Will examine and describe it at greater length later. Got out to Jiminez driving the last 15 miles in a slow drizzle of rain and fog. Damn lucky I got out in

time. Found at Jiminez that the road from San Fernando to Matamoros was impassable as it had been raining off and on for eight days. Back tracked and went by way of Monterry.

January 28 - Arrived in Brownsville at 6 P.M. Have driven for 25 hours straight. Enough said. No film, but I think I can get a tire.

January 29 - Got 2 brand new tires, bought groceries, had the car greased, oiled, etc. Am ready to leave tomorrow. Wrote letter.

January 30 - Wrote a report to Cole. Wrote to Griffin about job and seeing me. Wrote Krieger and Ekholm. Wrote Palacios for permission to explore Sierra de Tamaulipas and Rio de Palmas. Wrote Naplan. Obviously, it rained like hell all day so I couldn't leave Brownsville.

Made an appointment with Tony Lollum for the 20th. He says he can show me all the sites north of St. Teresa in 3 days.

January 31 - Drove from Malanoros to San Fernando over very treacherous wet roads. Ate lunch in San Fernando. Stopped at San Jose de la ~~Maria~~ Noria in the afternoon to check up on the report of large bones. Was shown the bones and they are mammoth. Looked at strata where they came from and there are no human remains. This should be further investigated.

300 yards directly east of the town of Noria, however, is a site. Went there and collected materials. It is about
$Tm^{c}30$ 150 yards north of Arroyo Cotheras. Arrived in Abasalo at night. Had a flat. No gas available. Felt ill during the night.

February 1 - It rained. I felt ill and stayed in bed all day. I have either dysentery or intestinal flu.

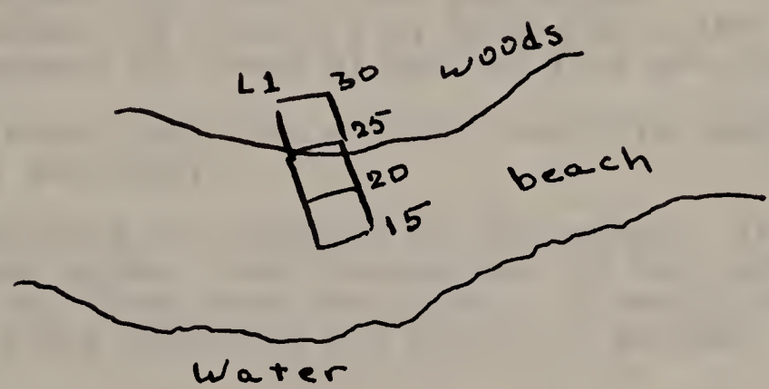
February 2 - Got up early and walked with Malitda Cardenes to a site he said was on a lake just north of the river. After an hour of walking we crossed the river. Too late to
$Tm^{c}31$ return. These sites are located 3 kilo east of Abasalo
$Tm^{c}32$ and 2 kilo south on the banks of an old lake. $Tm^{c}31$ is on the north side while $Tm^{c}32$ is on the side.

After this walk I felt pretty woozy, fainted once, but since the day was good drove on to Repello. There I
$Tm^{c}29$ looked over $Tm^{c}29$ again. Within one hour's time I collected a terrific amount of stuff. On the hillside
$Tm^{c}33$ just south of the road as you leave Repello I found $Tm^{c}33$.

Drove to Chamal. Had a bite to eat. Too ill to continue. I have the flu. Ran a fever, chills, dysentery (diarrhea), etc.

February 3 - Arrived at La Pesca about noon. Felix Peña not here. However, Meltero Contero, an old resident, knew of an island in the center at the mouth of the river. A little north of the center we found the island called Insulada Piedra de Lumbre. Rented a motor boat
Tm^{c}34 and visited it. Sherds of Tancol V and possibly Huasteca V or VI were all about the shell covered beach of this island. I have decided to investigate this island further. Shall return tomorrow with 2 workers.

February 4 - The archaeological problem posed by the materials found on this island was: Does the island represent a camping spot or a permanent habitation site of tribes found further to the south(Tancol) or are these materials (sherds) merely the remains of objects which were traded to the inhabitants in this area. The method for solving this problem was by excavation. A spot with both the beach and the highest part of the island was chosen. A 15 foot beach 5 feet wide was staked out. The trench extended from the shell covered beach to the 5 post at the
Tm^{c}34 end edge of the flat top of the island. A map was made and elevations were taken. (See the following page) Photographs were taken before excavation. The O(number axis) ran 15 degrees south of the east-west axis(magnetic north being used to establish this axis). The first square opene was O-15, the second O-20, and the third O-25. Roughly it was like this:



The top surface of all squares consisted of layers of shell. However, it soon became apparent that the strata of shell were horizontally deposited while the slope of the beach was not. Therefore, the first level of square 15 was equivalent to level 3a of square 3(a). All levels were 1 foot levels as the materials found were sparse.

H.I. - 4 feet 1 inch.
Datum depths for a map were taken.

Station	Direction	Distance	Datum depth
stake O-5	214 degrees	24.5	8.1
O-25	163	8.4	5.2
O-30	129	8.5	4.1½

Station	Direction	Distance	Datum Depth
1	222 degrees	36.3	10.3
2	269	28.11	10.10
3	267	17.70	7.9
4	150	40	4
5	115	78	5'2"
6	330	27	4'2"
7	352	42	4'1"
8	228	41	10.2
9	340	48	10.3
10	15	58	10.8

Took a photograph before excavation

February 5 - Returned the second day by boat. The wind was up and we really had a rough time of it. The stratigraphy of the top layers of the shell deposit became apparant. The stratigraphy was as follows:

Tm^{c}34

Period VI

(a) Square 25 - Level 1 - 1 foot
(b) Square 25 - Level 2 - 1 foot and note: this and level 1 of Square 20 are equivalent.
(c) Square 25 - Level 3 and Square 20 - level 2 are the same
(d) Square 25 - Level 4(a) and Square 20 - Level 3(a) and Square 15 - level 1 are equivalent

V

(e) Square 25 - level 4b, square 20 - level 3b and square 15, level 2 are equivalent
(f) Square 25 - level 4 c, Square 20 - level 3c and square 15, level 3: most of this was sterile.

The only feature found was a small hearth in square 20 outlined by charcoal.

February 6 - Returned and finished up the square. It was very cold, wet and windy. Got a photograph of the entire O-axis from 15 to 30. Went over the island. Directly east of this area found flint chips and 2-3 pieces of pottery - possibly modern.

Tm^{c}35

Returned to La Pesca wet, and tired. Made some attempts to repair the car battery.

Took the measurements for a profile drawing. See the following page. Did this in terms of datum depths for tying it in with the map.

the bottom level of square 15	-	7'7"
bottom of level 2, square 20	-	6'9"
bottom of level 1, square 20	-	6'2"

Measurements for profile drawing:

Stake	bottom of shell	bottom of dirt	bottom 2 layer shell	bottom of trench
15	14"	16½" refuse		2'1"

Pueblito

Tm^c 6

DAILY FIELD NOTES of THUNDERBIRD EXPEDITION (19) ~~13~~
by
Richard MacNeish
(Manuscript)
Nov 17. 1945 - Apr 24, 1946